



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Cow Skull 11-89-18-1
Location: Sec. 18 T11S R89W, Gunnison County, Colorado
License Number: 05-051-06094 Region: Bull Mountain Unit A
Spud Date: 08/29/2010 Drilling Completed: 11/02/2010
Surface Coordinates: 1981' FSL 1760' FWL Latitude: 39.09839
Longitude: -107.38075
Bottom Hole Same
Coordinates:
Ground Elevation (ft): 7387' K.B. Elevation (ft): 7408'
Logged Interval (ft): 442' To: 8959' Total Depth (ft): 8959'
Formation: Coal Ridge Group, South Canyon Group, Cameo Coal, Rollins Ss, Cozette Ss, Corco
Type of Drilling Fluid: LSND

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: SG Interests
Address: 100 Waugh Drive
Suite 400
Houston, TX 77007

GEOLOGIST

Name: Lisa Guttery, Max Schroder, and Monty Churchill
Company: Acme Geologic Consulting
Address: 108 Berry Street
Little Rock, AR 72205
www.acmego.com

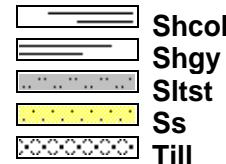
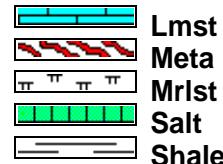
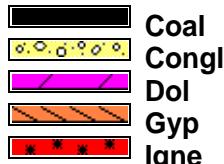
Drilling Company

Precision Drilling Rig #18

Comments

Lithologies and tops at drilled depths, not corrected to elogs. Where the well bore gas is 100% methane, the C1 line is moved to 85% for graphical purposes only.

ROCK TYPES



ACCESSORIES

	Anhy		Minxl
	Arggrn		Nodule
	Arg		Phos
	Bent		Pyr
	Bit		Salt
	Brecfrag		Sandy
	Calc		Silt
	Carb		Sil
	Chtdk		Sulphur
	Chtlt		Tuff
	Dol		
	Feldspar		Algae
	Ferrpel		Amph
	Ferr		Belm
	Glau		Bioclst
	Gyp		Brach
	Hvymin		Bryozoa
	Kaol		Cephal
	Marl		Coral

	Crin
	Echin
	Fish
	Foram
	Fossil
	Gastro
	Oolite
	Ostra
	Pelec
	Pellet
	Pisolite
	Plant
	Strom
STRINGER	
	Anhy
	Arg
	Bent
	Coal
	Dol

	Gyp
	Ls
	Mrst
	Sltstrg
	Ssstrg
TEXTURE	
	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

OTHER SYMBOLS

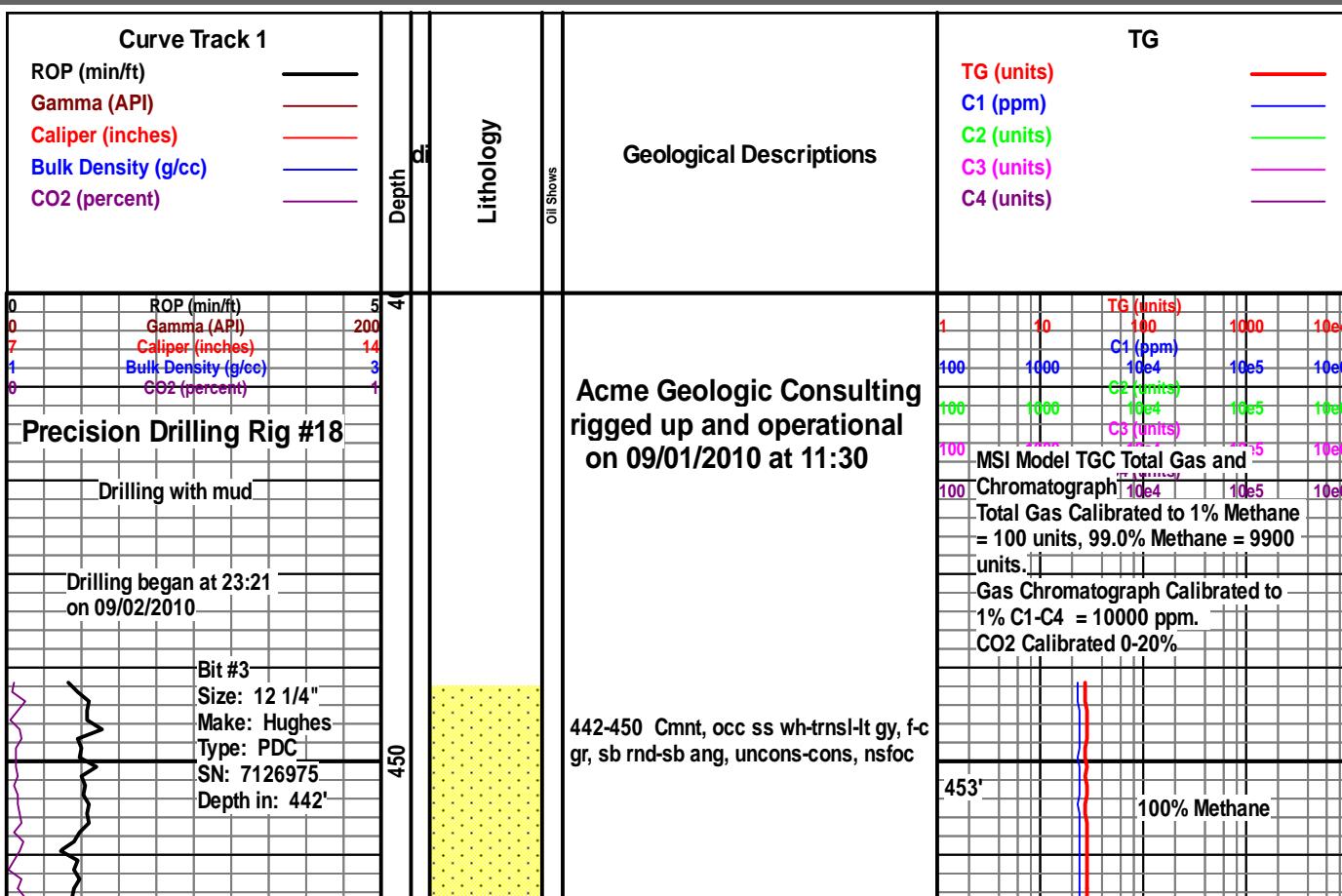
POROSITY TYPE	
E	Earthy
□	Fenest
F	Fracture
X	Inter
Ⓐ	Moldic
○	Organic
P	Pinpoint
▼	Vuggy

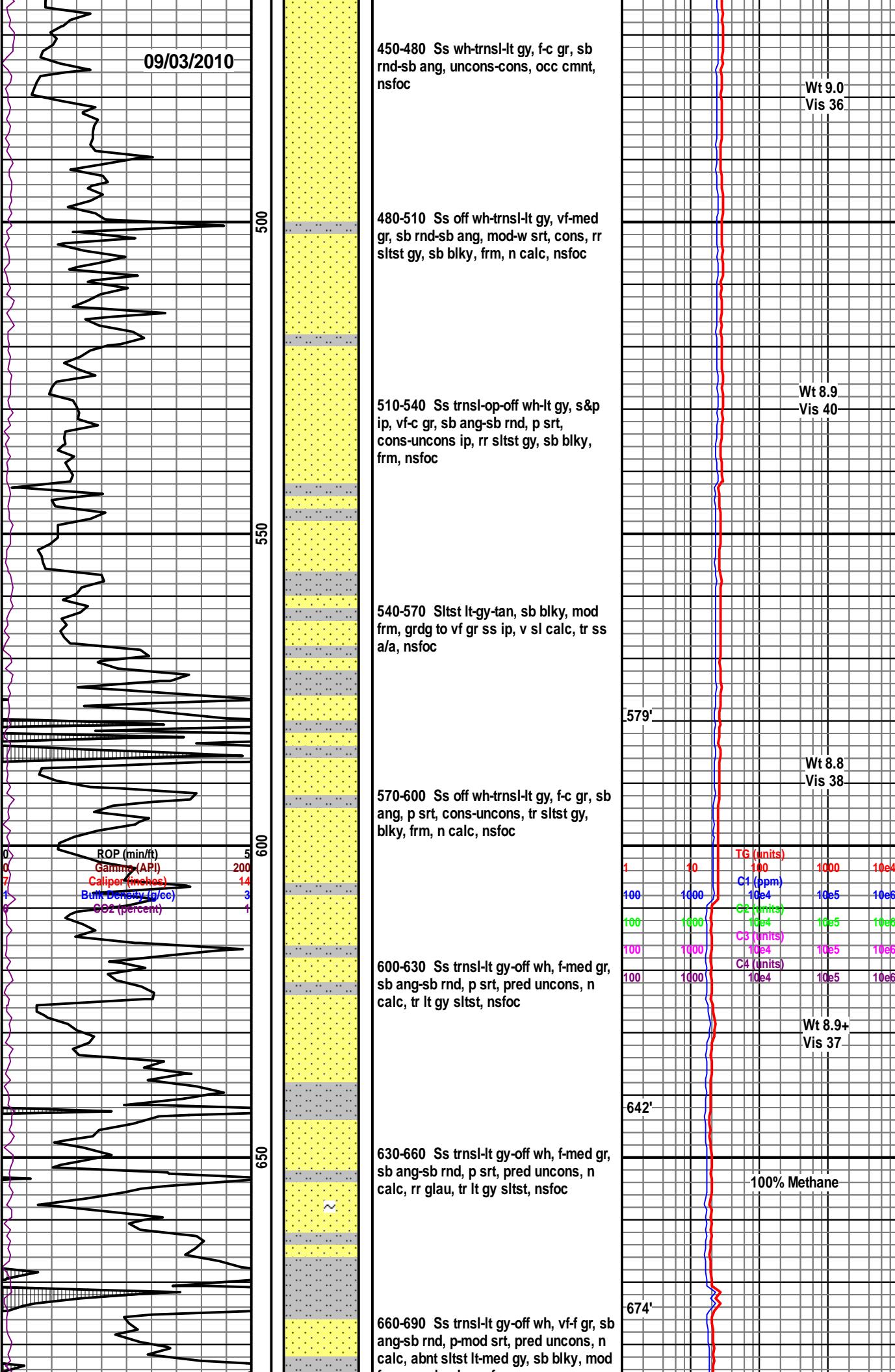
SORTING
W Well
M Moderate
P Poor
ROUNDING
R Rounded
r Subrnd
a Subang
A Angular

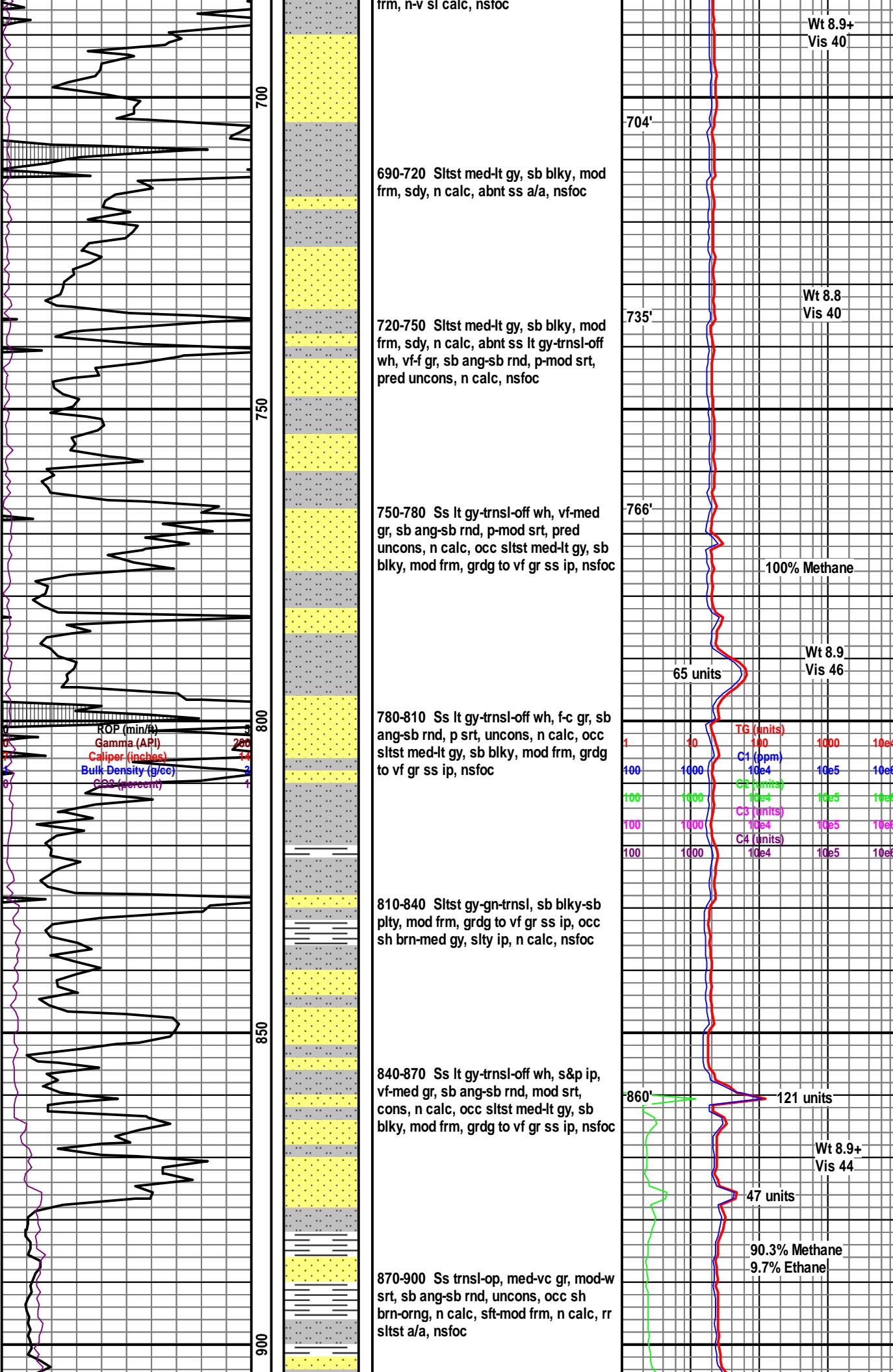
- OIL SHOWS
 - Good
 - Fair
 - Poor
 - Dead
- INTERVALS
 - Core
 - Dst
 - Srfcsq

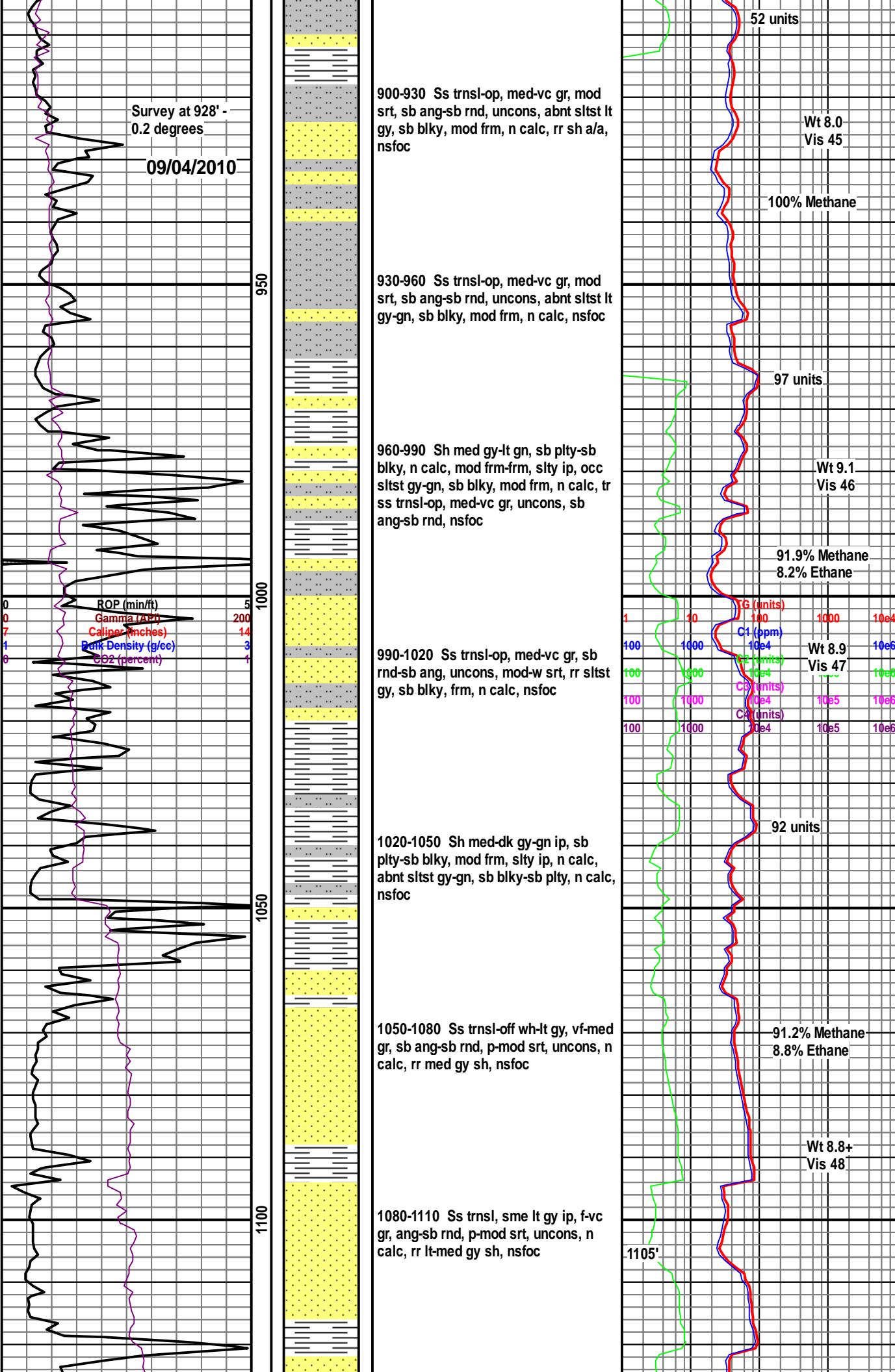
-  Cv-v
-  Cv-c
-  Conductor

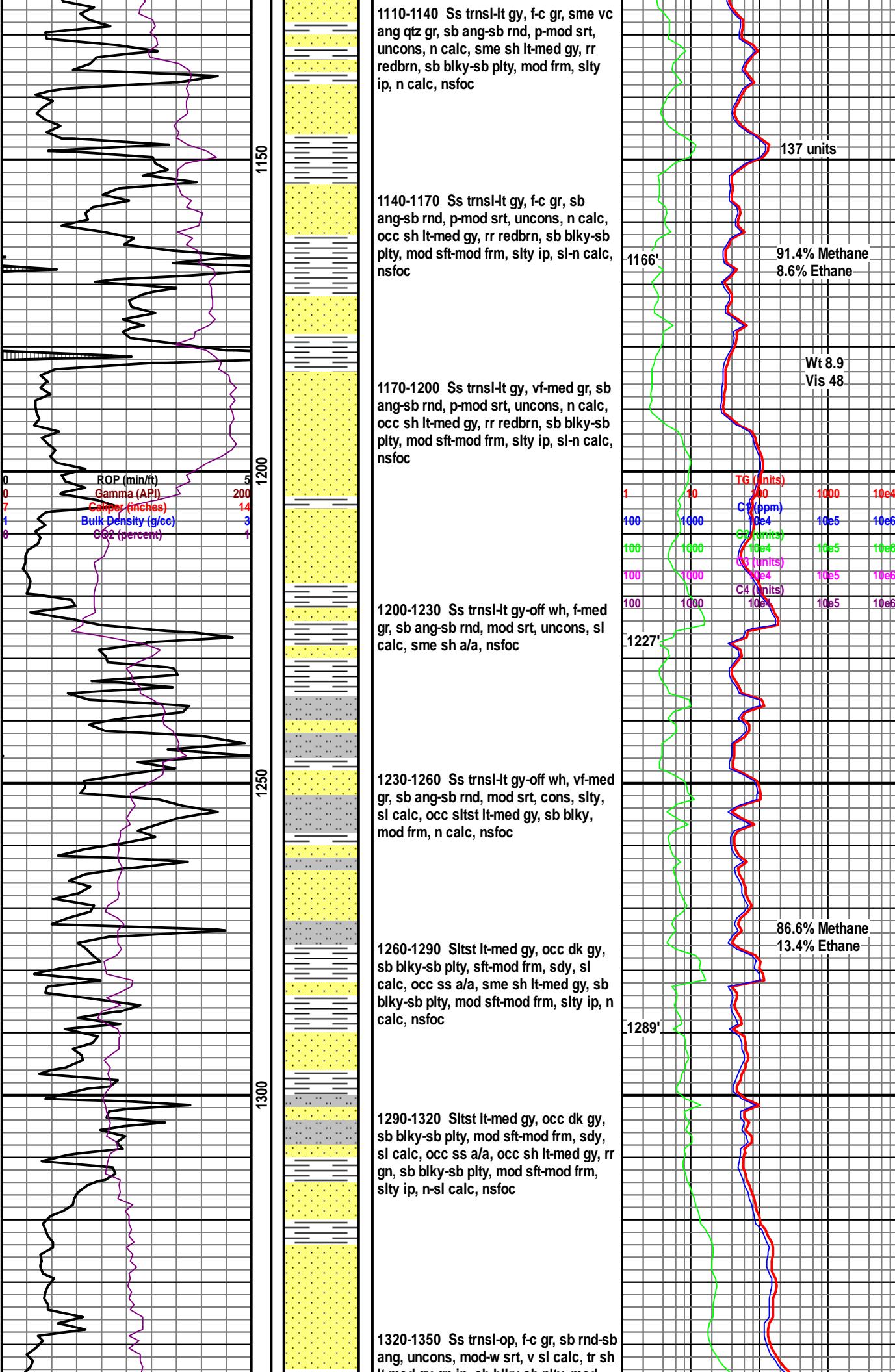
- EVENTS**
-  Rft
-  Sidewall
-  Srfcsq

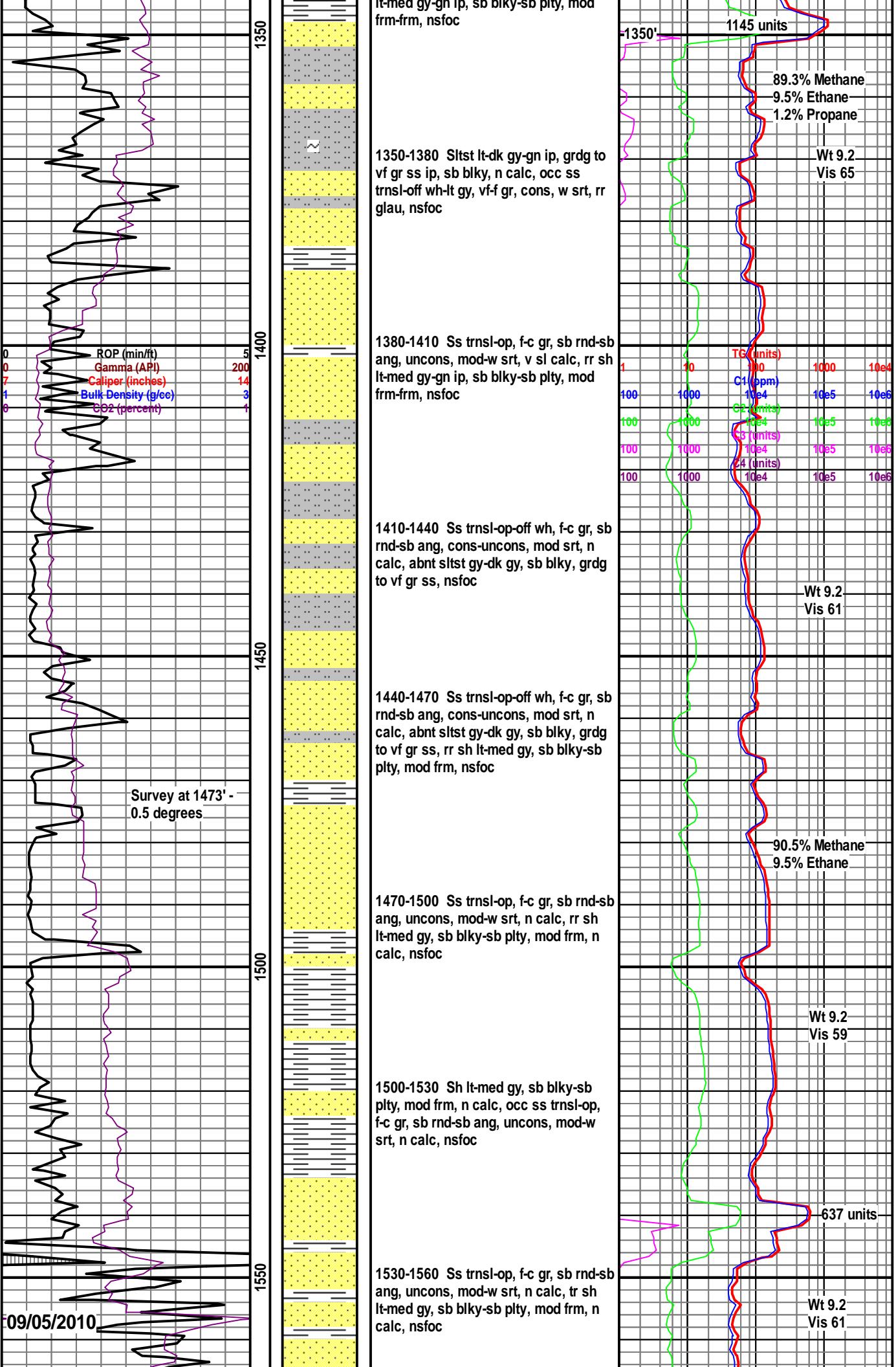


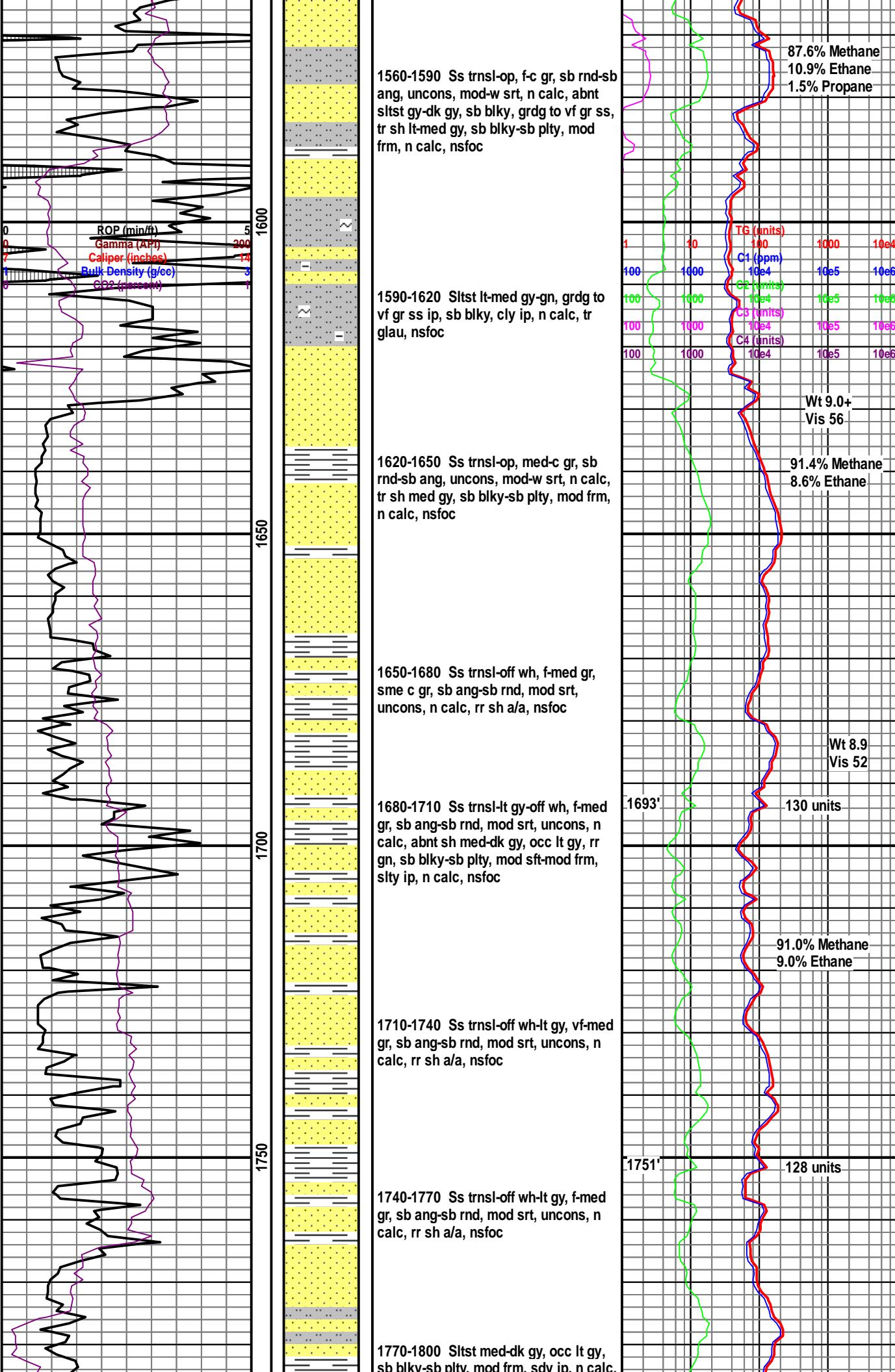


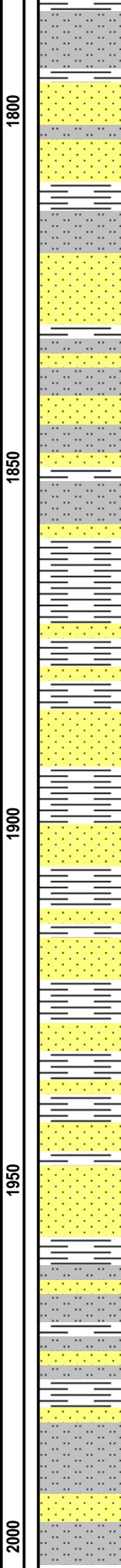
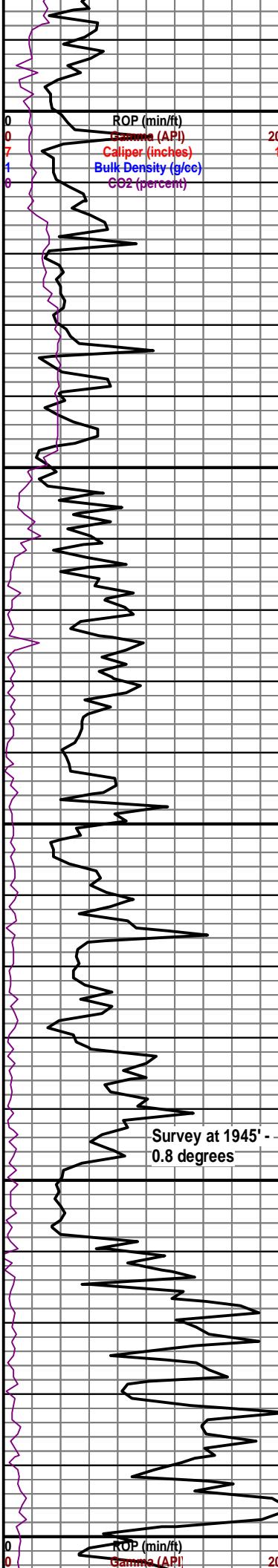












abt ss It gy-trns1, vf-c gr, sb ang-sb
rnd, mod-w srt, cons, n calc, occ sh
med-dk gy, sb plty-sb blky, mod sft,
slty ip, n calc, nsfoc

1800-1830 Ss trnsl-lt gy, vf-f gr, sb
ang-sb rnd, w-mod srt, cons, n calc,
abnt slst a/a, sme sh a/a, nsfoc

1830-1860 Ss trnsl-lt gy-off wh, vf-f gr,
sb ang-sb rnd, w-mod srt, cons, sl
calc, abnt slstst a/a, sme sh a/a, nsfoc

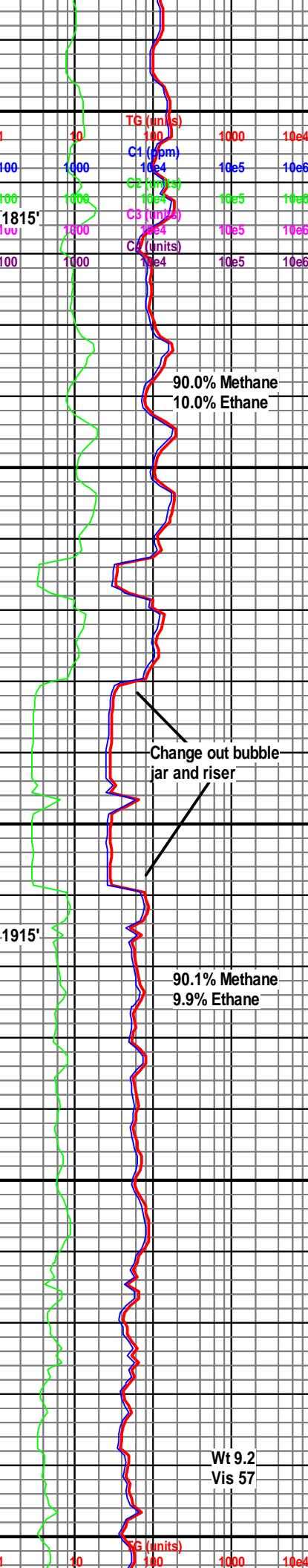
1860-1890 Ss trnsl-off wh, f-med gr, ang-sb rnd, p-mod srt, pred uncons, n calc, tr sh lt-med gy, rr gn, sb plty-sb blkv, mod sft, n calc, nsfoc

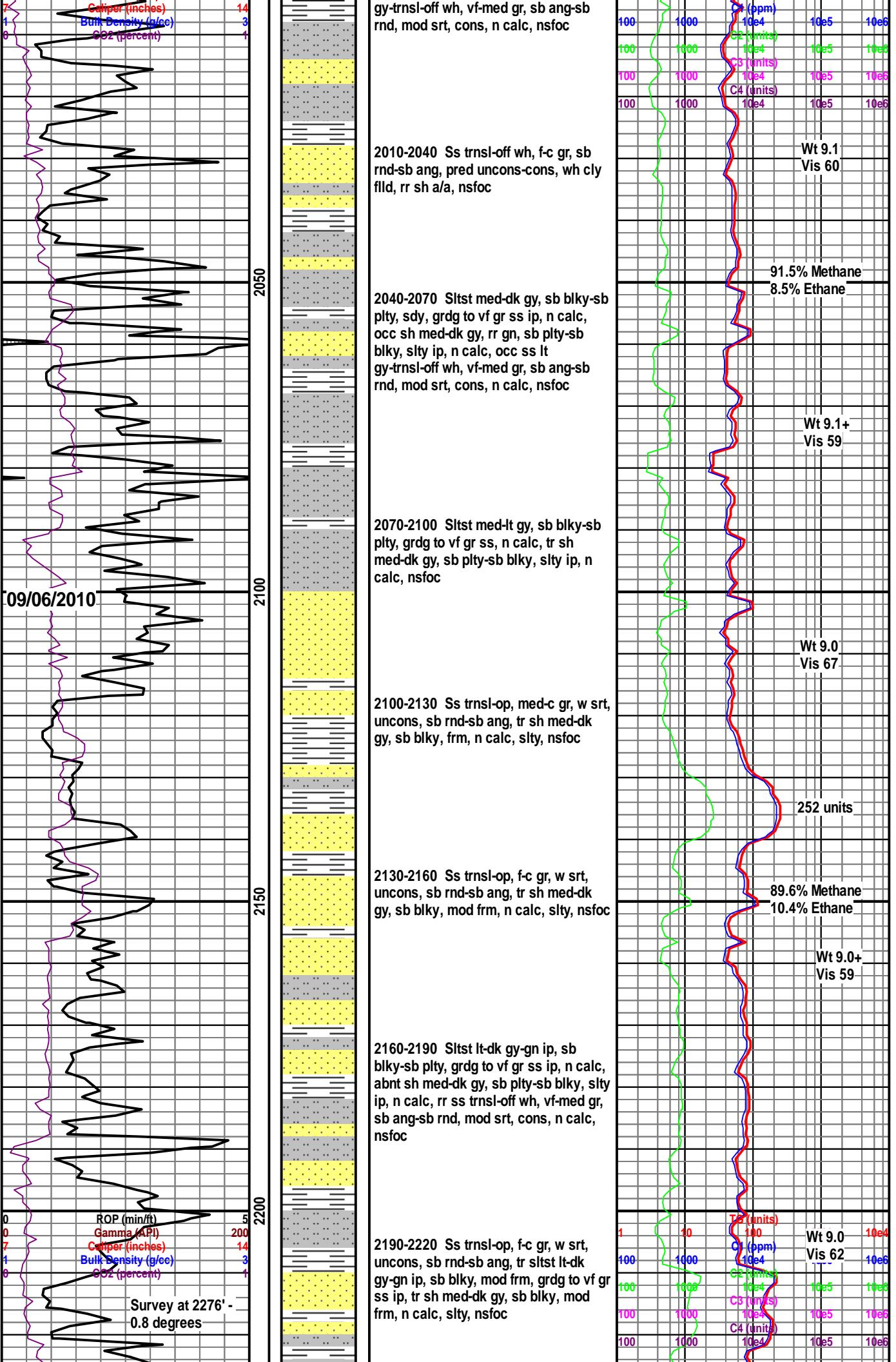
1890-1920 Ss trnsl-off wh, f-med gr,
ang-sb rnd, p-mod srt, uncons, n calc,
tr sh lt-med gy, rr gn, sb plty-sb blkly,
mod sft, n calc, nsfoc

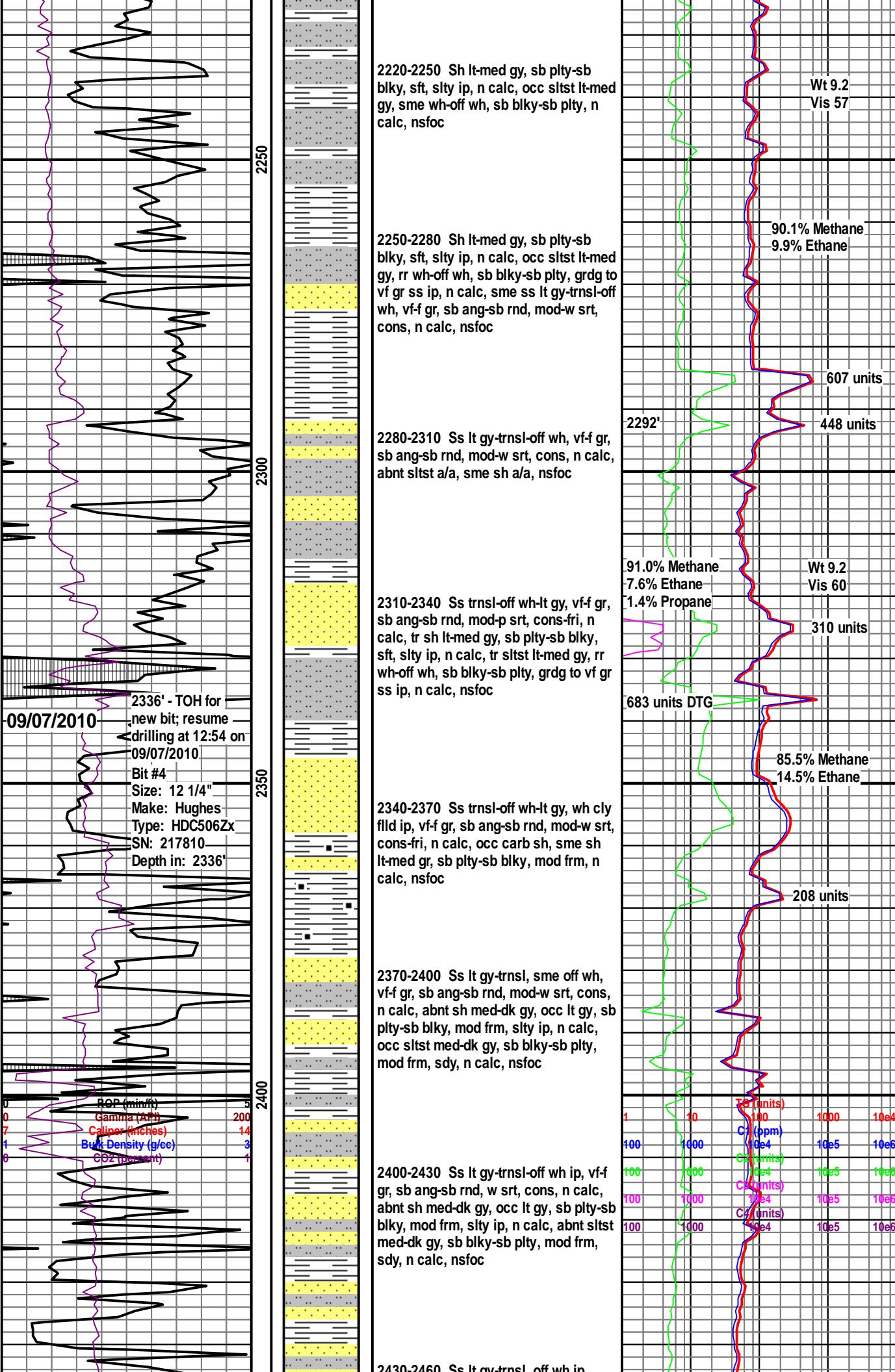
1920-1950 Ss off wh-trnsl, f-med gr,
ang-sb rnd, p-mod srt, uncons, n calc,
tr sh lt gy, rr gn, sb plty-sb blky, mod
srt, n calc, nsfoc

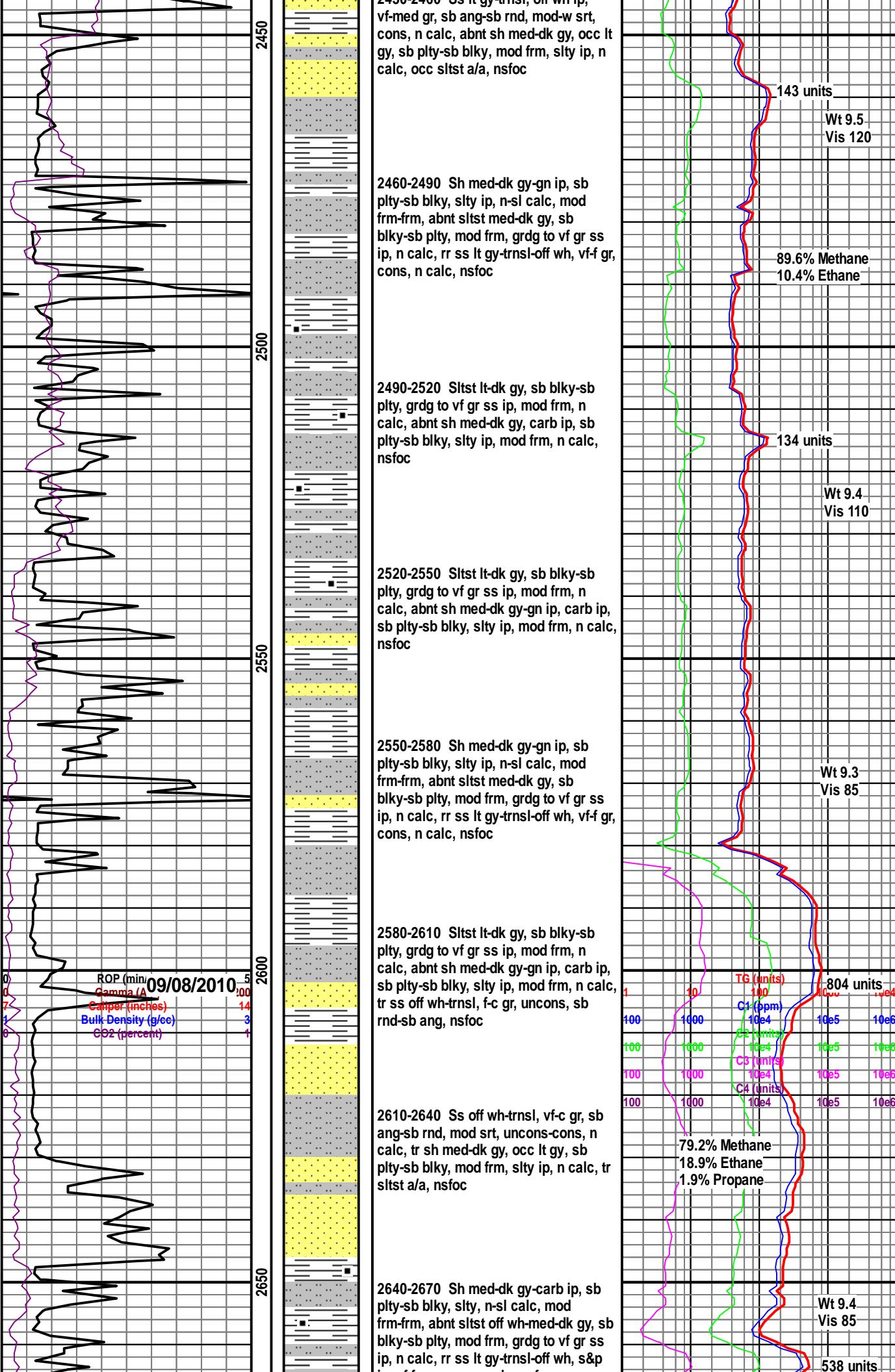
1950-1980 Slst med-dk gy, occ It gy,
rr gn, sb blky-sb plty, sdy, grdg to vf gr
ss ip, n calc, occ sh med-dk gy, rr gn,
sb plty-sb blky, slty ip, n calc, sme ss
It gy-trnsl, f-vf gr, sb ang-sb rnd, mod-p
srt cons n calc nsfc

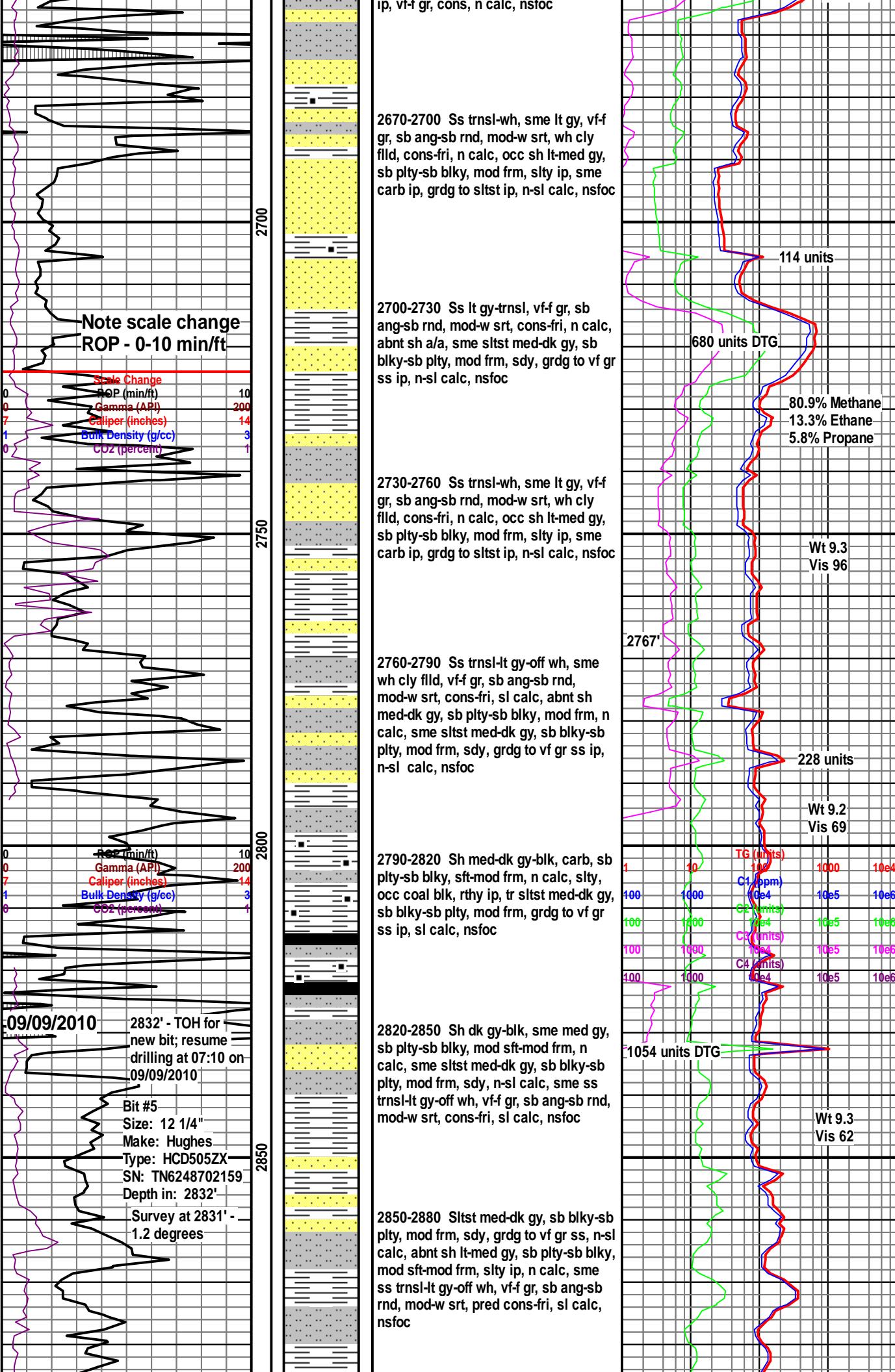
1980-2010 Slst med-dk gy, occ It gy,
rr gn, sb blky-sb plty, sdy, grdg to vf gr
ss ip, n calc, occ sh med-dk gy, rr gn,
sb plty-sb blky, slty ip, n calc, occ ss lt

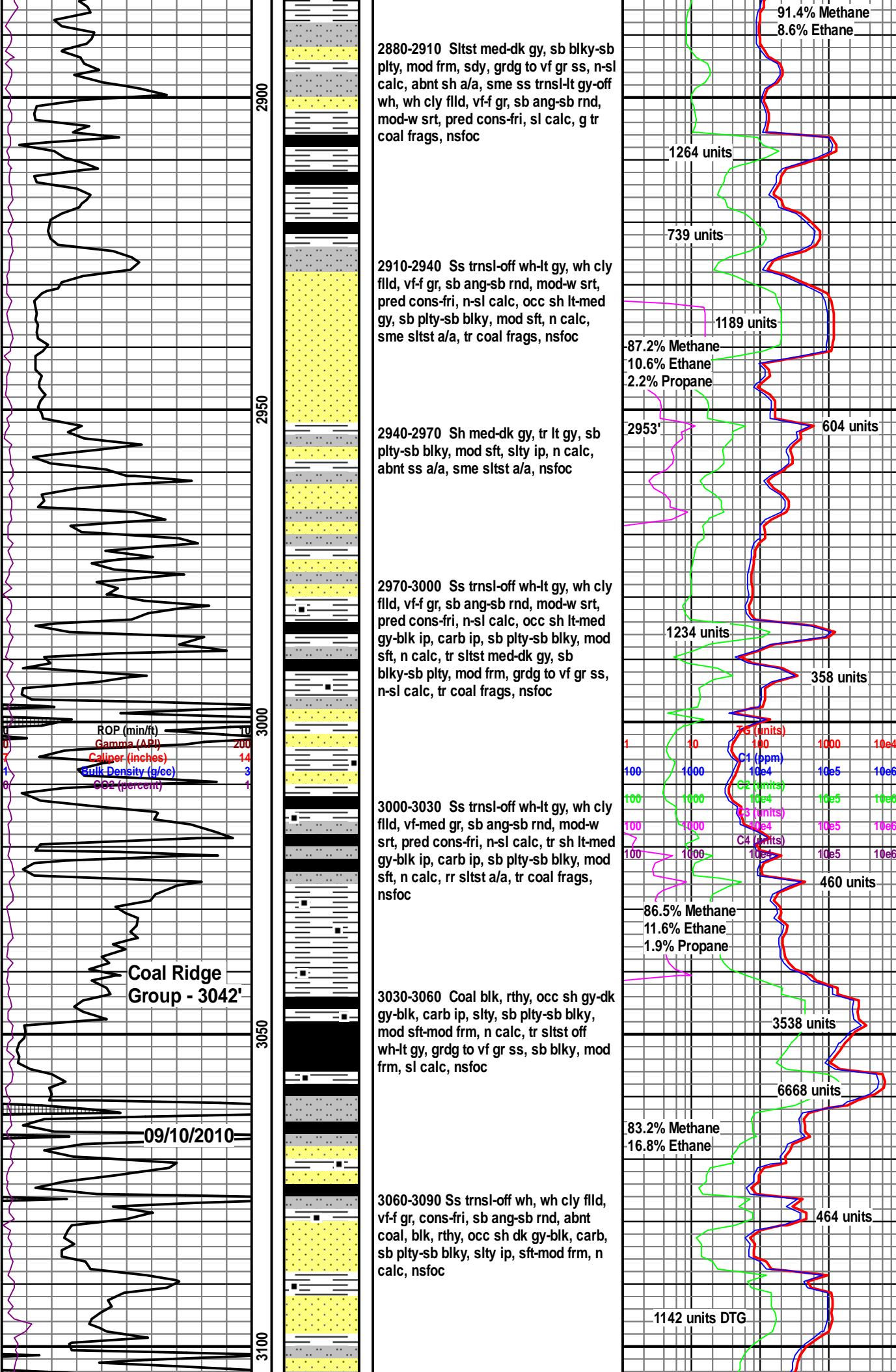


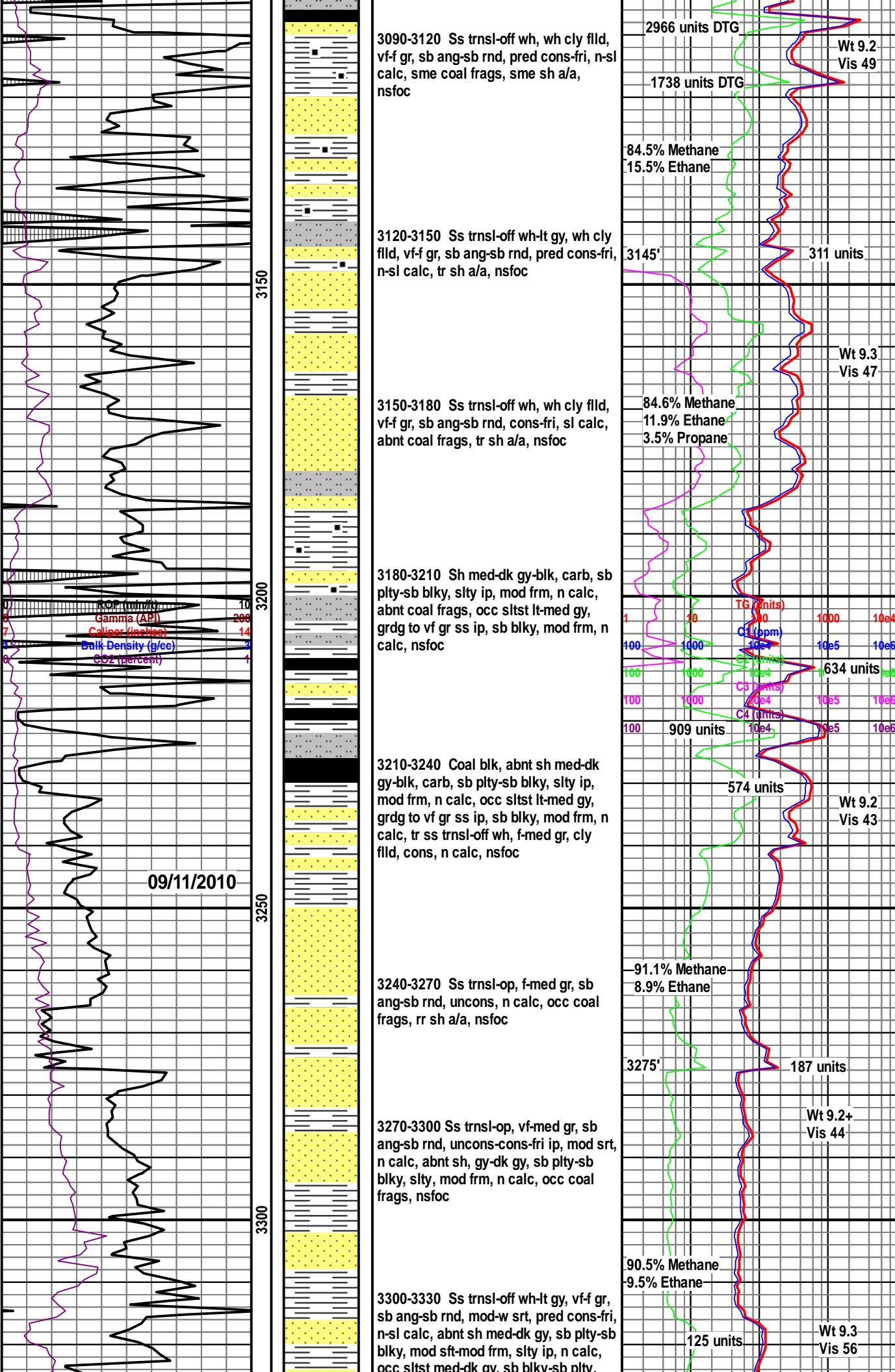


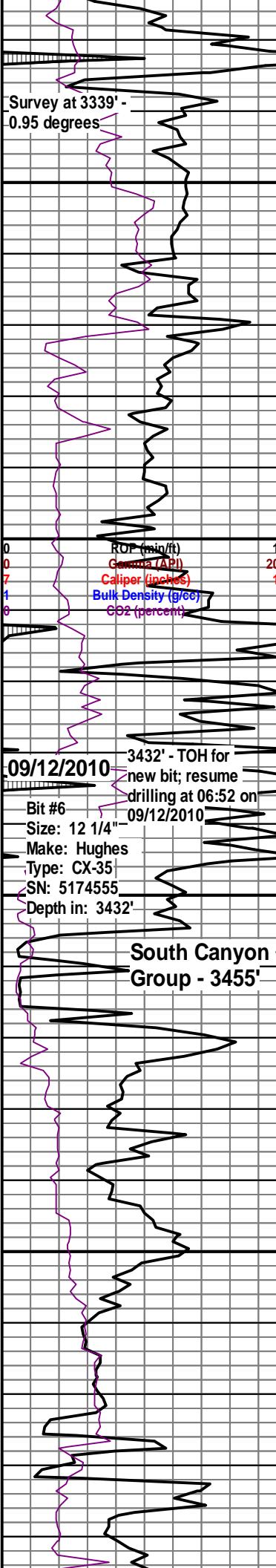




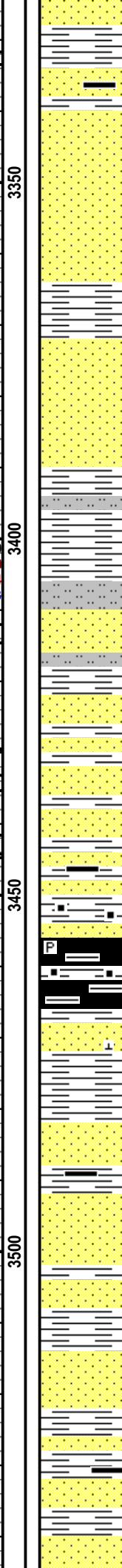








mod frm, sdy, grdg to vf gr ss ip, n calc, rr coal frags, nsfoc



3330-3360 Ss trnsl-off wh, occ lt gy,
vf-f gr, sb ang-sb rnd, mod-w srt,
cons-uncons, fri ip, n-sl calc, tr sh and
sltst a/a, nsfoc

3360-3390 Ss trnsl-off wh, occ lt gy,
vf-f gr, sb ang-sb rnd, mod-w srt,
cons-uncons, fri ip, n-sl calc, tr sh and
sltst a/a, rr coal frags, nsfoc

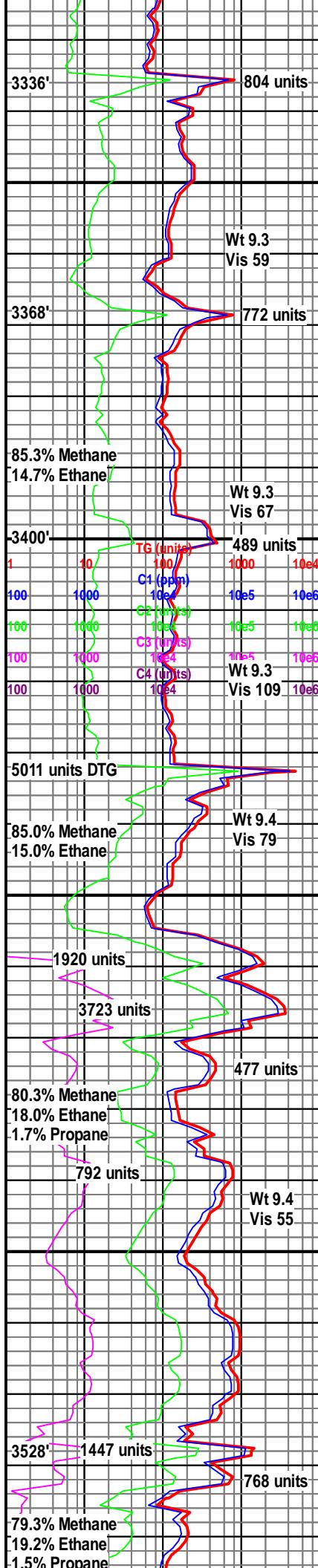
3390-3420 Sh lt-dk gy, sb plty-sb blky.
slty, mod frm, n calc, abnt ss trnsl-off
wh, vf-f gr, sb ang-sb rnd,
cons-uncons-fri ip, n calc, occ slst off
wh-it gy, grdg to vf gr ss, mod frm, sb
blky, n-sl calc, nsfoc

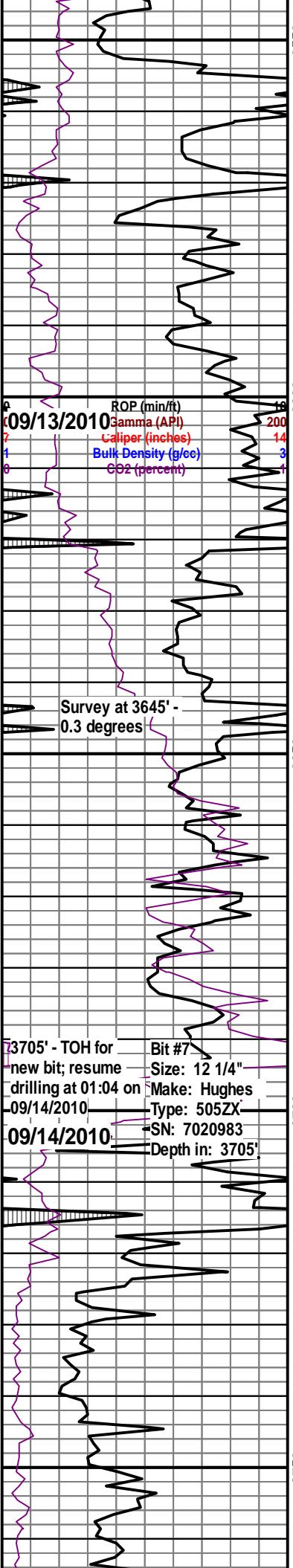
3420-3450 Ss trnsl-lt gy, vf-f gr, sb
ang-sb rnd, mod-w srt, pred cons, sl
calc, occ sh med-dk gy, sb plty-sb
blk, mod frm, slty ip, n-v sl calc, nsfoc

3450-3480 Ss trnsl-lt gy, sme wh cly
fld, vf-f gr, sb ang-sb rnd, mod-w srt,
pred cons, calc, abnt sh a/a, g tr coal
blk, rthy, rr pyr intrbdd in coal, rr xln
cal, abnt dull orng min flor, nsoc

3480-3510 Ss trnslt gy, rr wh cly fld,
vf-f gr, sb ang-sb rnd, mod-w srt, pred
cons, sme fr, n calc, sme sh med-dk
gy, sb pty-sb blky, mod frm, slyt, n
calc, tr dull orng min flor, nsoc.

3510-3540 Ss a/a, abnt sh blk, occ
med-dk gy, sb blky, pred carb, mod
frm, n calc, rr dull orng min flor, nsoc





3540-3570 Ss trnsl-lt gy-crm, s&p ip, rr wh cly flld, vf-f gr, sb rnd-sb ang, mod frm, calc, tr sh dk gy-gn, carb ip, mod frm, sb blky-sb plty, n calc, coal lams, rr dull orng min flor, nsoc

3570-3600 Ss trnsl-lt gy-crm, s&p ip, rr wh cly flld, vf-f gr, sb rnd-sb ang, mod frm, calc, abnt sh dk gy, carb ip, mod frm, sly ip, sb blky-sb plty, n calc, coal lams, abnt dull orng min flor, nsoc

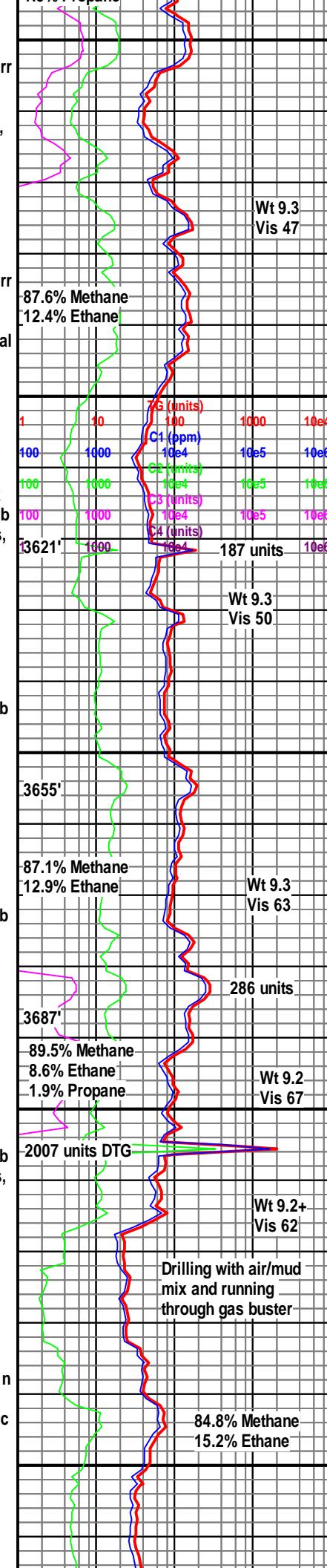
3600-3630 Ss trnsl-lt gy-crm, s&p ip, vf-f gr, sb rnd-sb ang, calc, abnt sh dk gy, carb ip, mod frm, sly ip, sb blky-sb plty, n calc, tr slst gy, grdg to vf gr ss, mod frm-frm, sb blky, n calc, tr coal frags, abnt dull orng min flor, nsoc

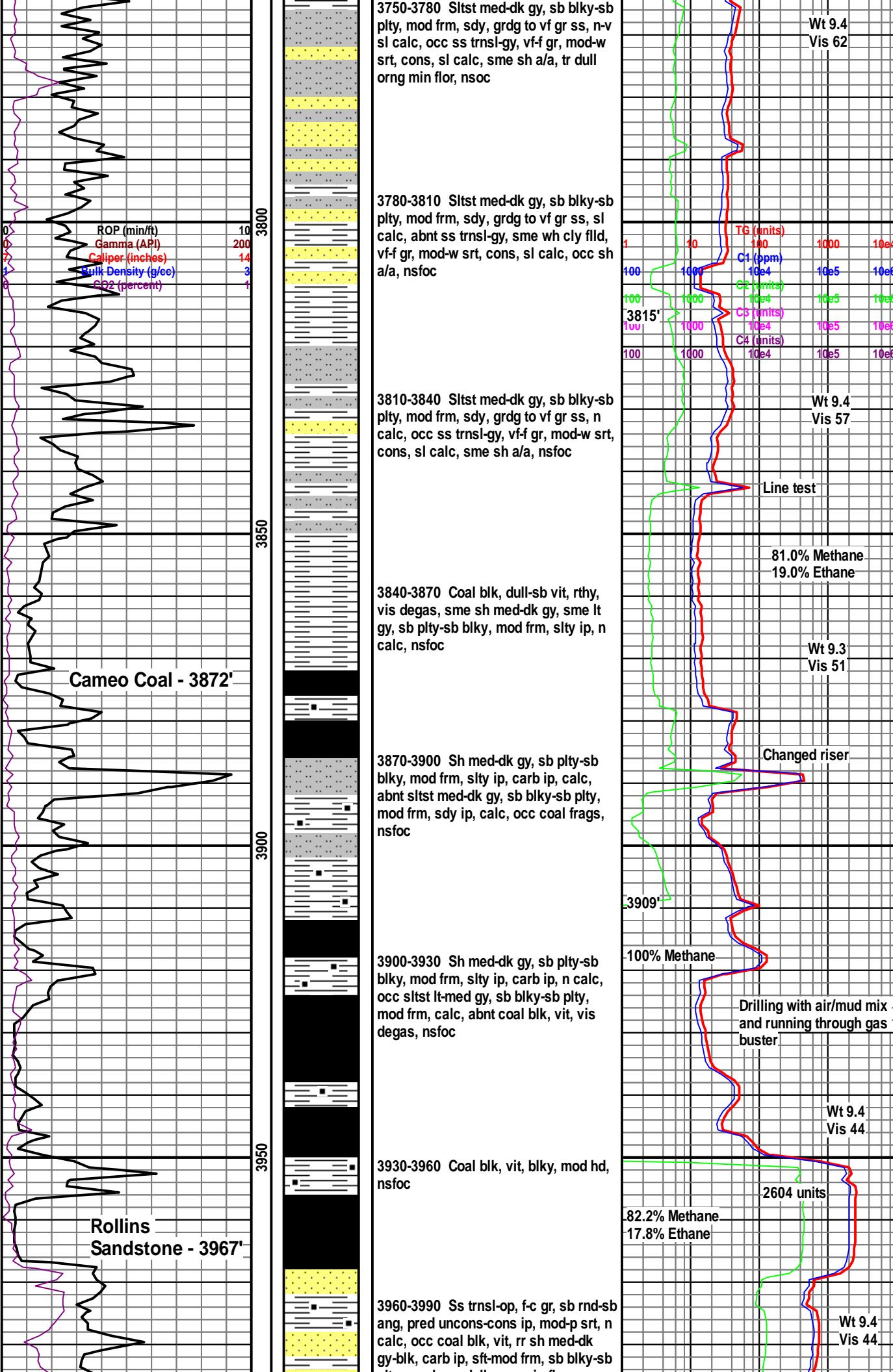
3630-3660 Slst med-dk gy, sb blky-sb plty, mod frm, sdy, grdg to vf gr ss ip, calc, abnt ss a/a, sme sh med-dk gy, sb plty-sb blky, mod frm, sly ip, n-sl calc, abnt dull orng min flor, nsoc

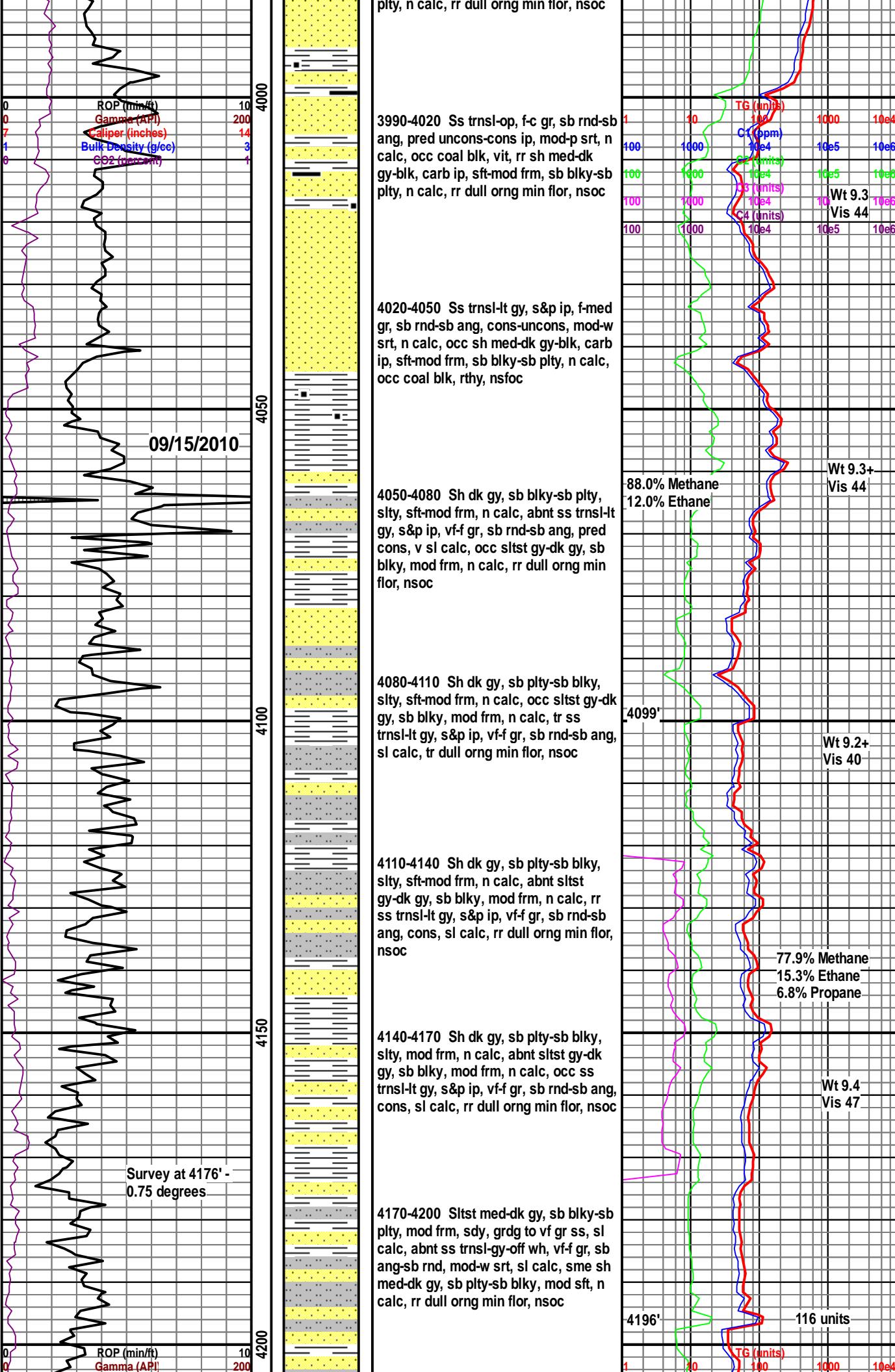
3660-3690 Slst med-dk gy, sb blky-sb plty, mod frm, sdy, grdg to vf gr ss ip, calc, sme sh med-dk gy, sb plty-sb blky, mod frm, sly ip, n-sl calc, tr ss a/a, rr dull orng min flor, nsoc

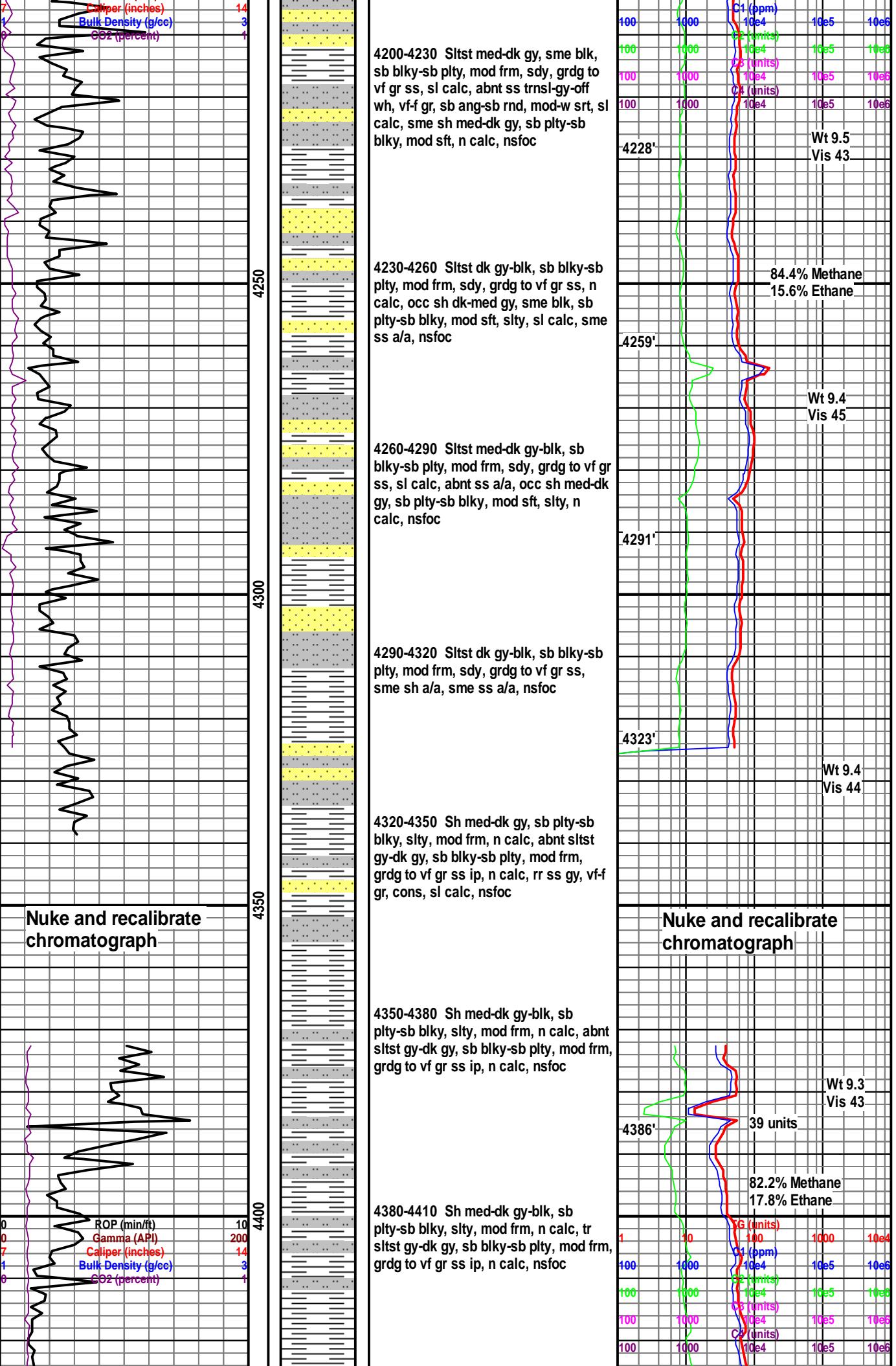
3690-3720 Ss trnsl-lt gy-crm, s&p ip, vf-f gr, sb rnd-sb ang, calc, abnt sh med-dk gy, mod frm, sly ip, sb blky-sb plty, n calc, tr slst gy, grdg to vf gr ss, mod frm-frm, sb blky, n calc, nsfoc

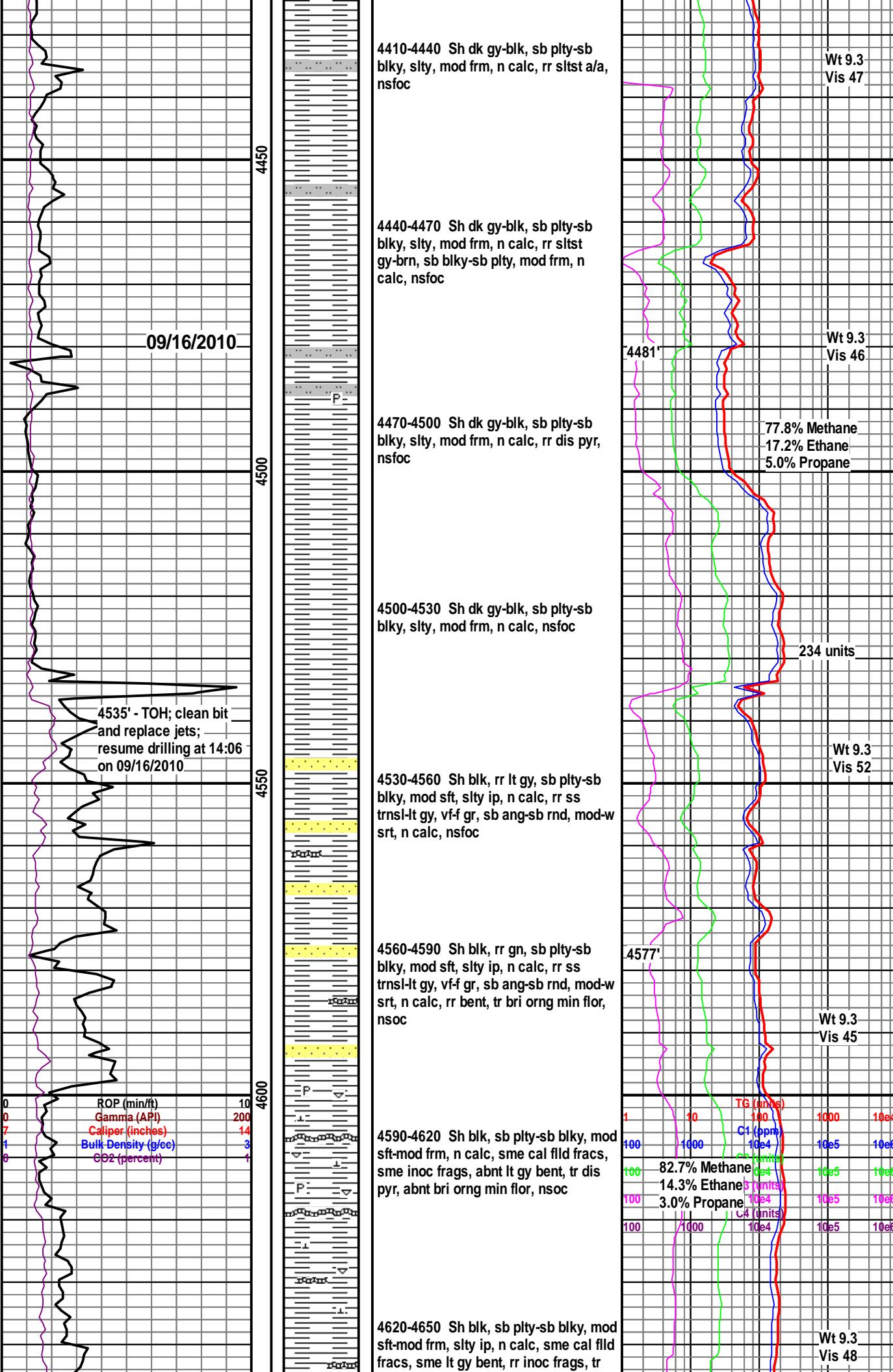
3720-3750 Ss trnsl-lt gy, vf-f gr, sb ang-sb rnd, mod-w srt, cons, n-v sl calc, abnt slst med-dk gy, sb blky-sb plty, mod frm, sdy, grdg to vf gr ss ip, n calc, occ sh med-dk gy, sb plty-sb blky, mod frm, sly, carb ip, n calc, occ dull orng min flor, nsoc

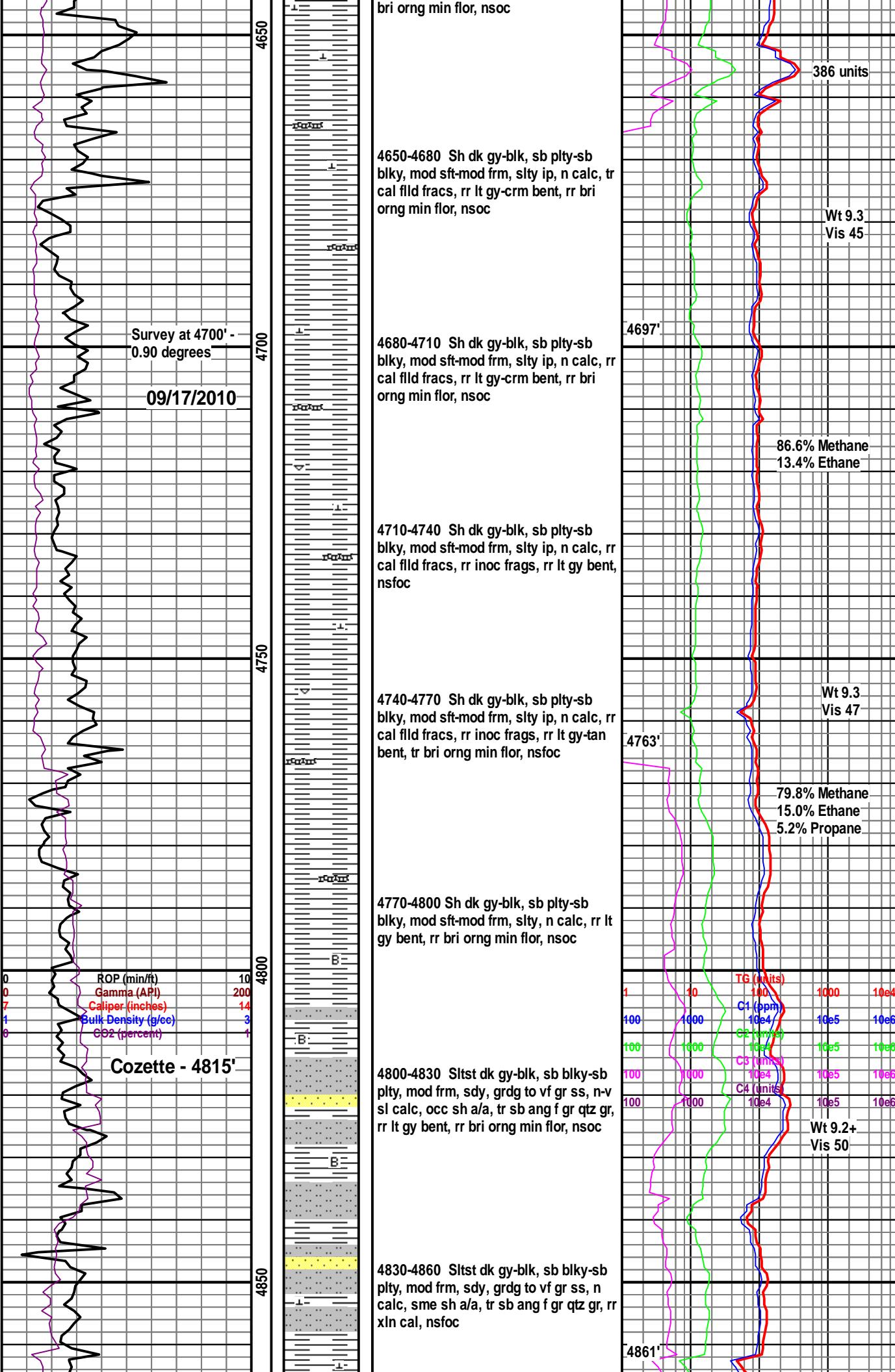


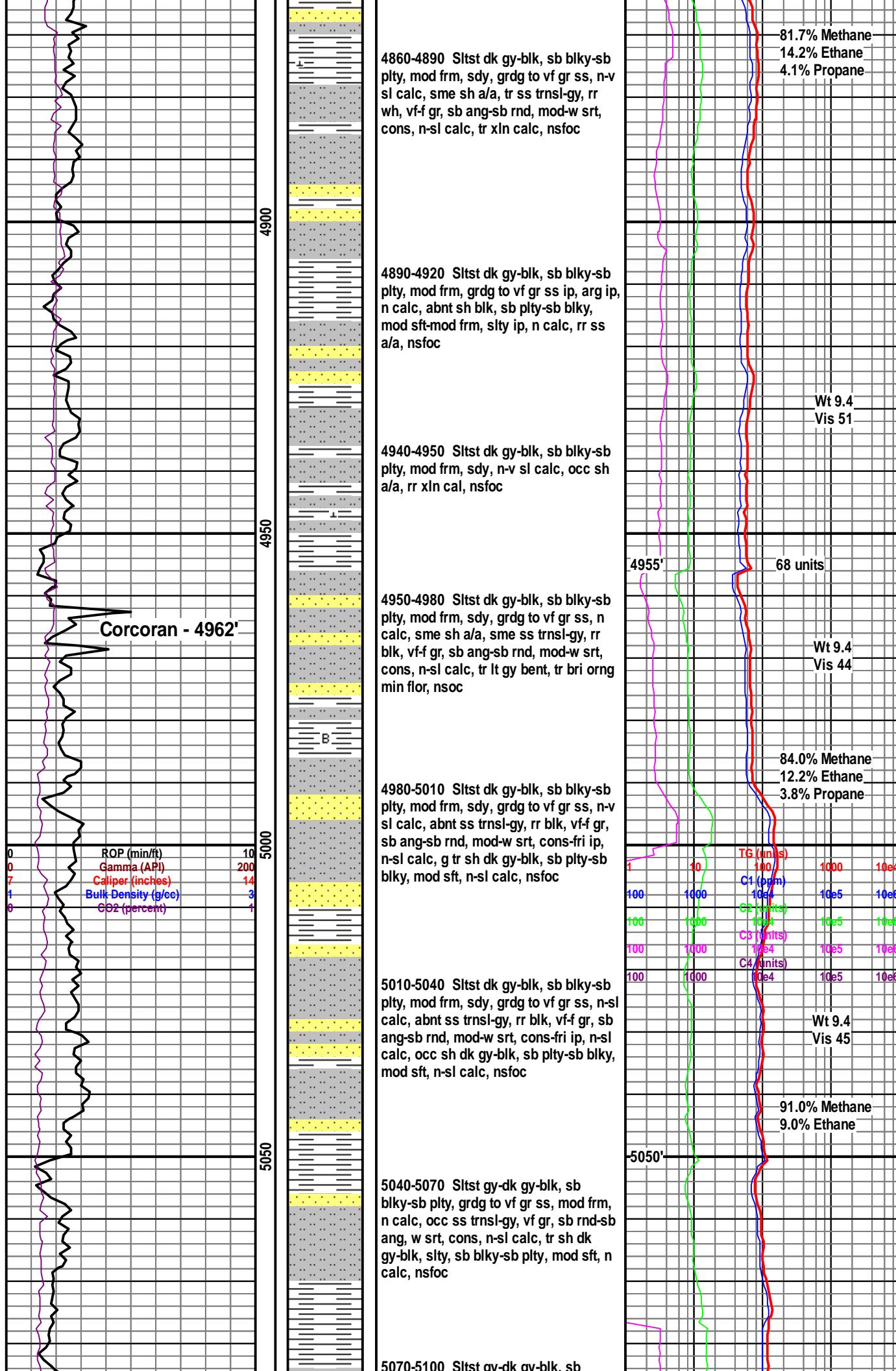


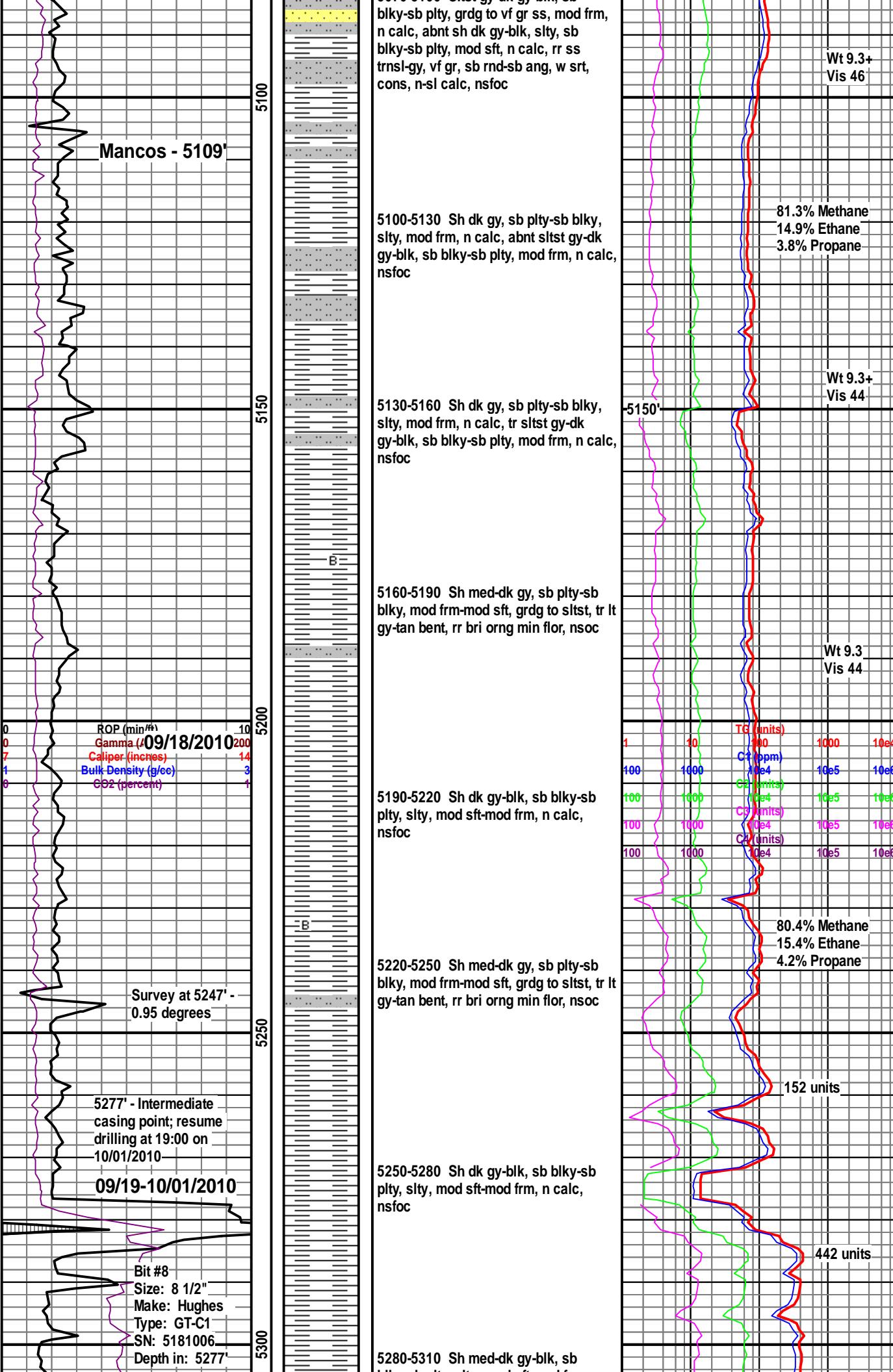


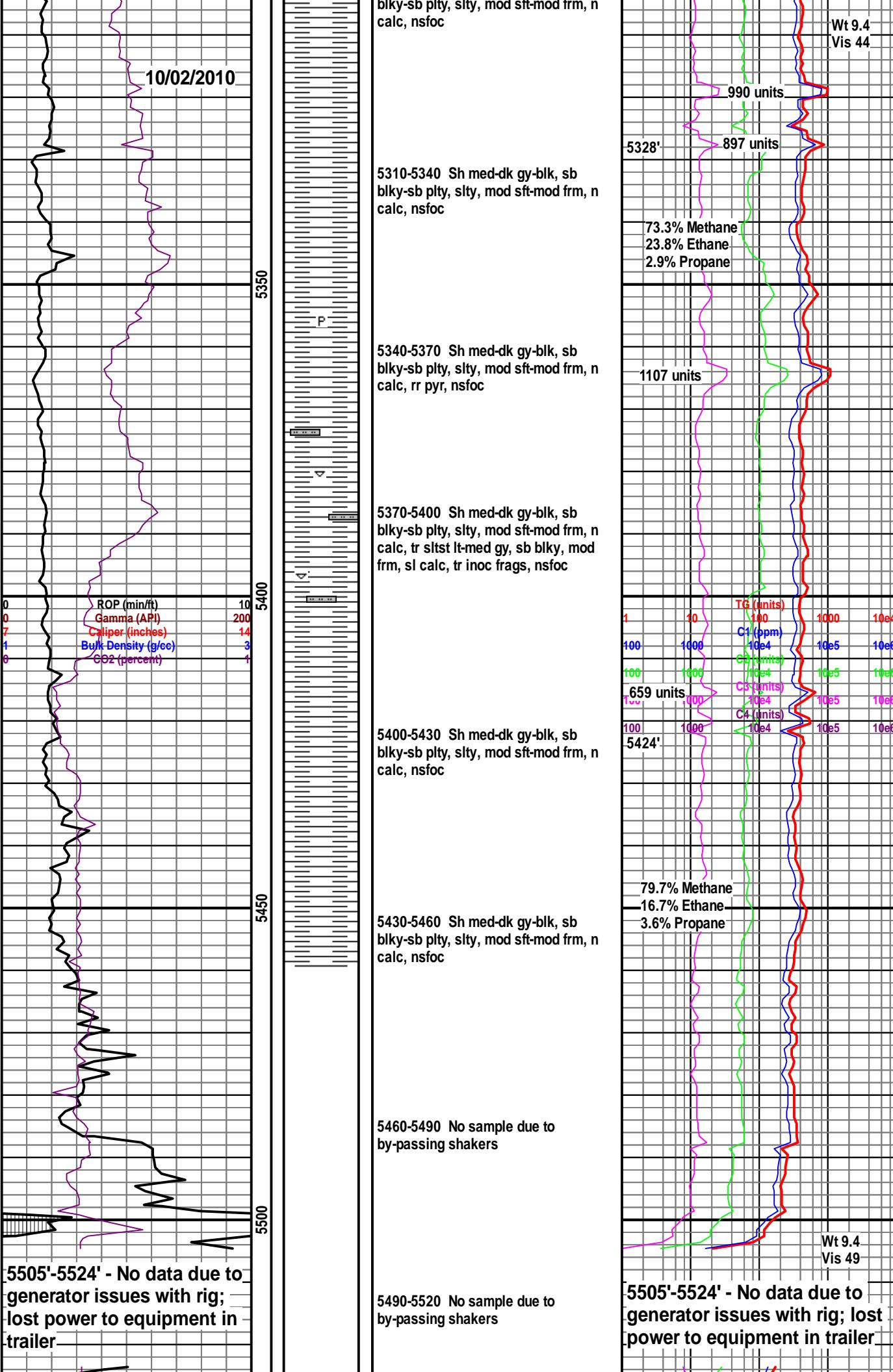


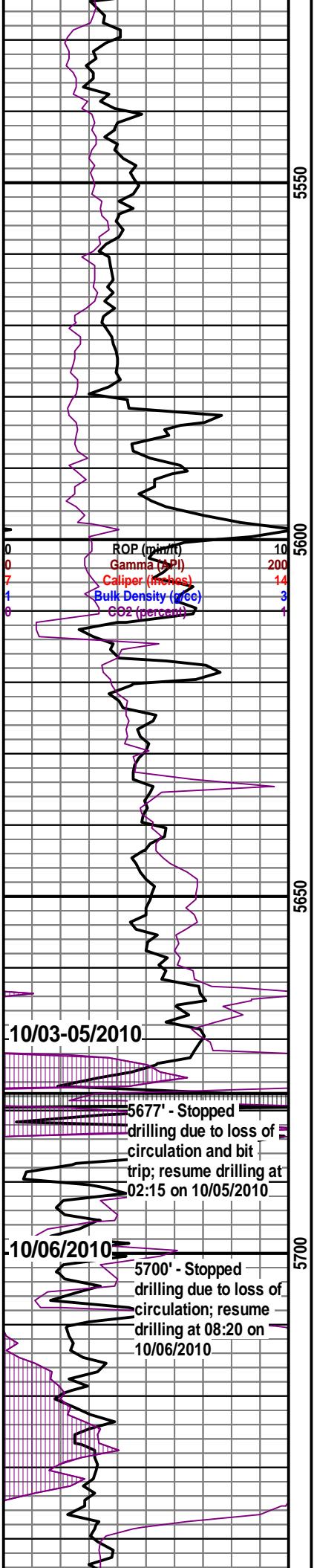












**5520-5550 No sample due to
by-passing shakers**

**5550-5580 No sample due to
by-passing shakers**

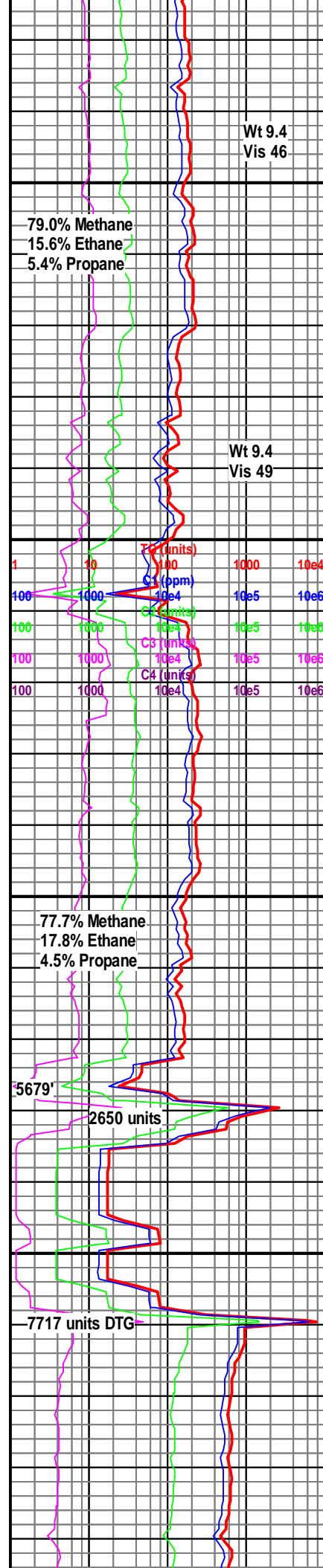
**5580-5610 No sample due to
by-passing shakers**

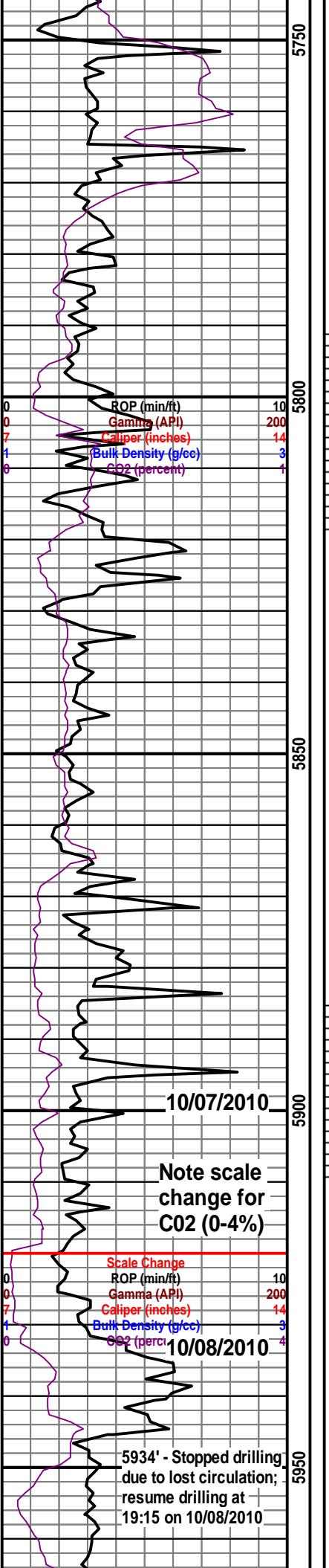
**5610-5640 No sample due to
by-passing shakers**

**5640-5670 No sample due to
by-passing shakers**

**5670-5700 No sample due to
by-passing shakers**

**5700-5730 No sample due to
by-passing shakers**





5730-5760 No sample due to by-passing shakers

5760-5790 No sample due to by-passing shakers

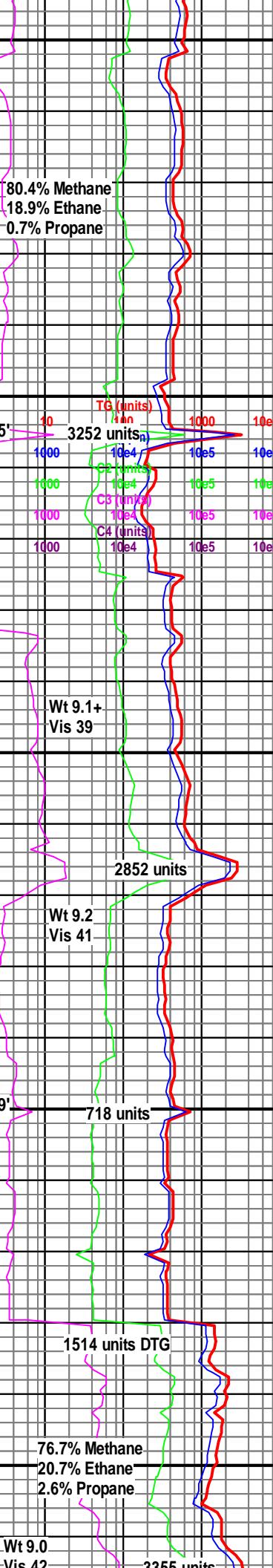
5790-5820 Abnt LCM, Sh med-dk gy-blk, sb blky-sb pty, slyt, mod sft-mod frm, n calc, nsfoc

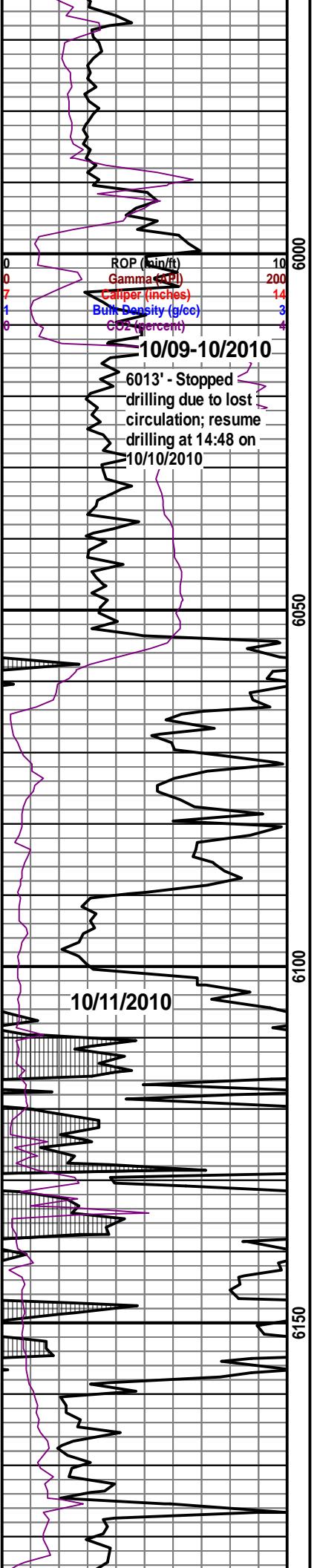
5820-5850 No sample due to by-passing shakers

5850-5880 No sample due to by-passing shakers

5880-5910 Abnt LCM, Sh med-dk gy-blk, sb blky-sb pty, slyt, mod sft-mod frm, n calc, nsfoc

5910-5940 No sample due to by-passing shakers





5940-5970 No sample due to by-passing shakers

5970-6000 No sample due to by-passing shakers

6000-6030 No sample due to by-passing shakers

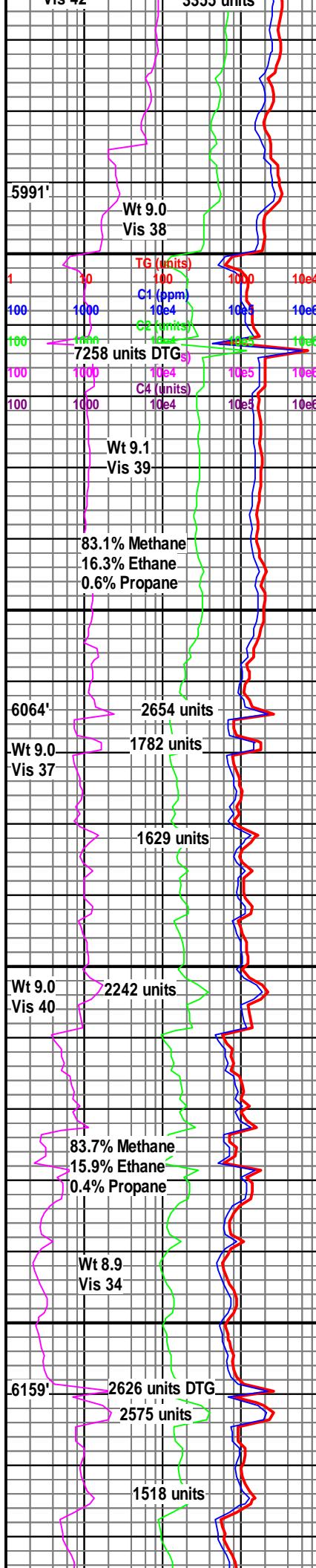
6030-6060 No sample due to by-passing shakers

6060-6090 No sample due to by-passing shakers

6090-6120 No sample due to by-passing shakers

6120-6150 No sample due to by-passing shakers

6150-6180 No sample due to by-passing shakers





6180-6210 No sample due to by-passing shakers

6210-6240 No sample due to by-passing shakers

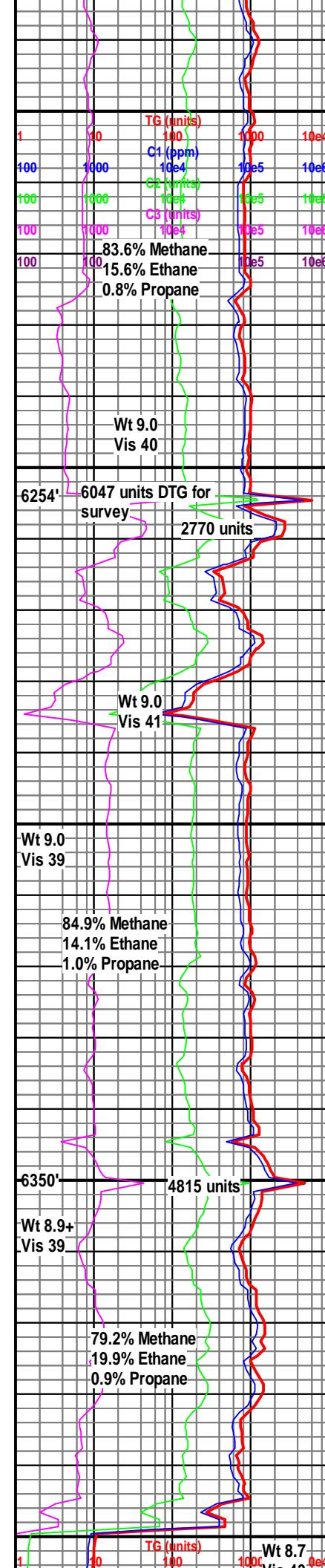
6240-6270 No sample due to by-passing shakers

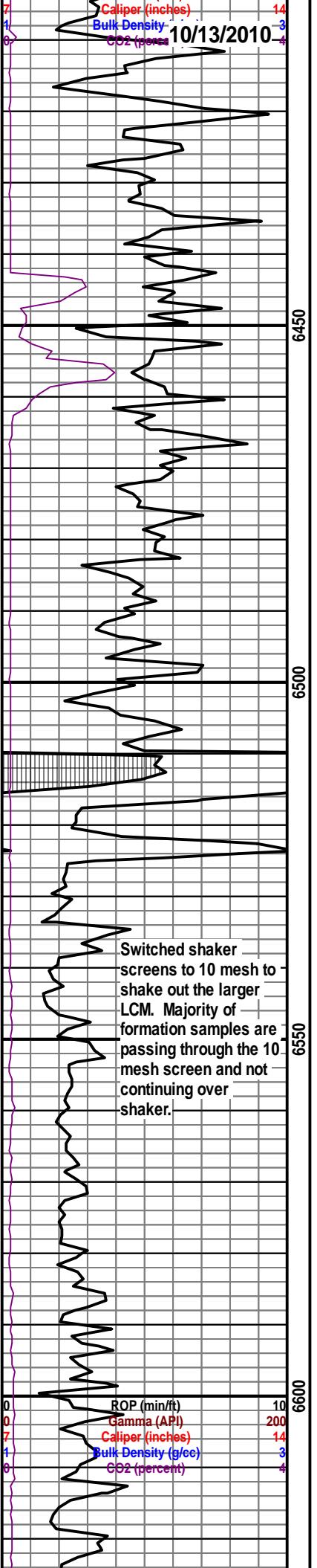
6270-6300 No sample due to by-passing shakers

6300-6330 No sample due to by-passing shakers

6330-6360 No sample due to by-passing shakers

6360-6390 No sample due to by-passing shakers





6390-6420 No sample due to by-passing shakers

6420-6450 No sample due to by-passing shakers

6450-6480 No sample due to by-passing shakers

6480-6510 No sample due to by-passing shakers

Switched shaker screens to 10 mesh to shake out the larger LCM. Majority of formation samples are passing through the 10 mesh screen and not continuing over shaker.

6510-6540 Attempted to retrieve sample; 100% LCM

6540-6570 Attempted to retrieve sample; 100% LCM

6570-6600 V poor sample recovery; 99% LCM, 1% Sh dk gy-blk, sb plty-sb blky, slty, mod frm, nsfoc

6600-6630 V poor sample recovery; 99% LCM, 1% Sh dk gy-blk, sb plty-sb blky, slty, mod frm, nsfoc

